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**BOROUGH OF NELSON.**

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# **REPORT**

**OF THE**

## **Medical Officer of Health**

**For 1935.**

**R. G. MARKHAM, M.B., D.P.H.,  
Medical Officer of Health.**





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# BOROUGH OF NELSON.

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## HEALTH COMMITTEE.

COUNCILLOR R. BLAND (Chairman).

COUNCILLOR W. H. HINDLE (Vice-Chairman).

THE MAYOR (ALDERMAN C. SMITHSON).

ALDERMAN E. BOOTHMAN

„ R. J. HUSBAND

„ J. ROBINSON

„ A. SMITH

„ R. WINTERBOTTOM

COUNCILLOR MISS M. AUGHTON

„ MRS. L. A. HALL

„ R. HARTLEY

„ J. HAYDOCK

„ D. J. SPEAK

„ J. STEPHENSON

„ H. W. THROUP

„ J. WIDDUP

„ MISS A. WILSON

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## Officers of the Public Health Department.

Medical Officer of Health ..... R. G. MARKHAM, M.B., D.P.H.

Chief Sanitary Inspector ..... MR. J. W. INGHAM

Assistant Inspector ..... MR. S. GRINDROD

Assistant Inspector and Chief Clerk ..... MR. S. HAYDOCK

Clerk ..... MR. A. WILDMAN

Health Visitors ... MISS B. E. EDMONDSON, MRS. B. WILKINSON,  
and MRS. E. A. SAVILLE-SMITH\*

Matron, Maternity Home ..... MISS G. E. MYERS, C.M.B.

\* Part time.

## LIST OF LOCAL AND ADOPTED SANITARY ACTS ADMINISTERED BY THE COUNCIL.

- Nelson Water and Gas Act, 1866.  
 Nelson Local Board Act, 1879.  
 Nelson Improvement Act, 1886.  
 Nelson Local Board Act, 1888.  
 Nelson Corporation Act, 1903.  
 Nelson Provisional Orders, 1871, 1873, 1876, 1890, 1895, 1897,  
 1899, 1904.  
 Borough of Nelson (Extension) Order, 1897.  
 The Infectious Disease (Notification) Act, 1889.  
 The Public Health Acts Amendment Act, 1890, adopted 1891.  
 The Infectious Disease (Prevention) Act, 1890, adopted 1896.  
 The Notification of Births Act, 1907, adopted 1911.  
 The Public Health Acts Amendment Act, 1907, parts adopted  
 1912.  
 The Nelson Corporation Act, 1921.  
 The Public Health Act, 1925, except Sections 15, 35 and 41.
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## LIST OF BYELAWS RELATING TO SANITARY MATTERS IN FORCE IN THE BOROUGH.

Date of Adoption.

1890—Common Lodging Houses.

1897—Offensive Trades :—

Blood Boiler.

Blood Drier.

Bone Boiler.

Fellmonger.

Tanner.

Leather Dresser.

Soap Boiler.

Tallow Melter.

Fat Melter.

Tripe Boiler.

Glue Maker.

Size Maker.

Gut Scraper.

1897—Nuisances.

1897 & 1907—Slaughter Houses.

1911—Dairies, Cowsheds and Milkshops Regulations.

1912—Sanitary Conveniences.

1926—New Streets and Buildings.

# STATISTICAL SUMMARY

1935.

Area, 3,466 Acres.

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Population—Census, 1931 .....	38,306
,,    For Birth and Death Rates .....	37,090
Inhabited Houses—Census, 1931 .....	11,128
,,    ,,    Rate Books, 31/12/35 .....	11,686
REGISTERED BIRTHS :	
Live Births—Males, Legitimate .....	157
,,    ,,    Females, Legitimate .....	175
,,    ,,    Males, Illegitimate .....	15
,,    ,,    Females, Illegitimate .....	6
Total .....	— 353
Still Births—Males, Legitimate .....	10
,,    ,,    Females, Legitimate .....	10
,,    ,,    Males, Illegitimate .....	1
,,    ,,    Females, Illegitimate .....	—
Total .....	— 21
Birth Rate per 1,000 of population .....	9.5
Birth Rate per 1,000 of population, Illegitimate .....	0.56
Deaths Registered .....	460
Crude Death Rate per 1,000 of population .....	12.4
Adjusted Death Rate .....	13.2
Deaths from principal Zymotic Diseases .....	9
Zymotic Death Rate per 1,000 of population .....	0.24
Deaths of Infants under 1 year :—	
Legitimate .....	22
Illegitimate .....	5
Total .....	— 27
Infantile Death Rate per 1,000 Births .....	76
,,    ,,    ,,    ,,    Legitimate .....	66
,,    ,,    ,,    ,,    Illegitimate .....	238
Premature Births .....	8
Violent Deaths and Suicides .....	29
Total .....	37
Rate of above per 1,000 of population .....	1.0
Number of persons per house (Census 1931) .....	3.42
Number of persons per acre (Census 1931) .....	11.05
Excess of Deaths over Births .....	107

NELSON.

MAY, 1936.

**To the Chairman and Members of the Health Committee.**

LADIES AND GENTLEMEN,

I have pleasure in submitting the report on the Health and Sanitary condition of the Borough for the year ended 31st December, 1935.

The estimated population of the Borough at the middle of the year is 37,090, and the Birth and Death Rates have been calculated on this figure.

The Birth Rate shows a slight increase on the rate for the previous year, but when comparison is made with the Birth Rates for the whole of the country, and of groups of greater and lesser towns, it again shows that the Nelson rate is considerably below the average.

A slight decrease in the Death Rate is shown when compared with 1934, but the comparison with the figures supplied for the country and its sub-divisions is not favourable to Nelson.

The Infantile Mortality Rate for the year is 76 per 1,000 births, an increase of 19 on the rate for 1934. For England and Wales the Infantile Mortality Rate for 1935 is 57, for the County Boroughs and large towns the rate is 62, and the average rate for the smaller towns is 55.

The total number of infant deaths was 27, and an analysis of these deaths according to age and cause of death, showed that 10 deaths or 37% occurred within 1 week of birth, and that of this number 8 deaths occurred within 24 hours of birth. Also that 19 out of the 27 deaths were due to either congenital malformation, prematurity, or injury at birth. A further point noted was that of 8 deaths from congenital malformation, 6 were due to spina bifida, this being an exceptionally high proportion for this particular defect.

No maternal death has occurred during the year.

Tables are submitted later in the report showing an analysis of the births and deaths, ward distribution, causes of death, and rates from these causes, the age incidence at death and comparisons of the figures with previous years.



During the year a severe epidemic of food poisoning occurred. The infected commodity was prepared and sold in Nelson, but the outbreak extended to the immediate surrounding districts. A special report was presented dealing with the outbreak which showed that information was received of 174 cases in the area, and that 8 deaths occurred, of which 7 were definitely attributable to food poisoning.

The consumption of the food gave rise to a severe gastro-enteritis, and in each case of death the organism isolated was *Bacillus Aertrycke*. Prepared cooked meat and stew were the main commodities giving rise to the outbreak. Both these foods were sold in small portions, and this would account for the large number of cases occurring before the commodities could be withdrawn from sale. Investigations could not indicate a definite origin of the infection, but the probabilities were that a bovine animal, to all appearances in a healthy condition, was a carrier of the organism.

A seizure of unsound meat exposed for sale, was made during the year, the vendor being prosecuted and a fine of £10 and costs inflicted by the Magistrates.

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## I.—STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area in Acres .....	3,466
Population, Census 1931 .....	38,306
,, Estimated for Birth & Death Rates for 1935	37,090
Ordnance level, lowest point .....	350 feet
,, ,, highest point .....	1100 feet
,, ,, centre of town .....	458 feet
Drainage of Surface Water—Natural, chiefly to Walverden	
	Stream and Pendle Water.
Subsoil—Clay, with understratum of sandstone and	
	outcroppings of coal.
Number of inhabited houses, Census 1931 .....	11,200
,, ,, ,, ,, 31/12/35, Rate Books .....	11,686
,, ,, persons per house, Census 1931 .....	3.42
,, ,, persons per acre, Census 1931 .....	11.05
Rateable Value .....	£240,022
Sum represented by a penny rate (nett) .....	£916
Rainfall .....	Rather Heavy

## NUMBER OF INHABITED HOUSES AT 31ST DECEMBER, 1935.

Ward	Total	Houses	Houses and Shops
Walverden .....	1,928	1,808	120
Clover Hill .....	1,552	1,473	79
Southfield .....	1,356	1,247	109
Marsden .....	1,122	1,095	27
Netherfield.....	1,616	1,491	125
Bradley .....	1,722	1,604	118
Central .....	1,056	930	126
Whitefield .....	1,334	1 248	86
Totals.....	11,686	10,896	790

## RAINFALL DURING THE YEAR 1935.

Month	Ogden	Coldwell		Victoria Park
		No 1	No. 2	
January .....	2.45	2.67	2.85	2.38
February .....	9.33	7.73	8.60	7.52
March.....	1.89	2.12	2.25	1.72
April .....	3.42	3.09	3.36	2.80
May.....	1.24	1.44	1.56	1.36
June .....	4.07	4.75	4.75	4.14
July.....	2.80	2.20	2.54	2.11
August .....	1.71	1.86	2.05	1.49
September .....	8.87	7.60	7.98	7.62
October .....	12.71	8.78	10.52	10.28
November .....	5.36	5.62	5.71	4.80
December .....	3.58	3.04	3.49	3.27
Total for year	57.43	50.90	55.97	49.49
Average over Number of years	49.72 (38 yrs.)	...	51.41 (18 yrs.)	46.22 (18 yrs.)

## RAINFALL FOR FIVE PREVIOUS YEARS.

	Ogden.	Coldwell		Victoria	Meteorological
	Inches.	No. 1.	No. 2.	Park.	Station
		Inches.	Inches.	Inches.	(Cemetery).
					Inches.
1930 .....	59.51 ...	53.25 ...	60.59 ...	51.52 ...	52.48
1931 .....	56.67 ...	52.57 ...	61.91 ...	46.48 ...	49.44
1932 .....	52.34 ...	46.38 ...	52.82 ...	46.32 ...	44.37
1933 .....	32.22 ...	33.59 ...	37.91 ...	29.38 ...	28.56
1934 .....	48.51 ...	42.69 ...	48.50 ...	41.19 ...	39.20
Average ...	49.85 ...	45.69 ...	52.34 ...	42.97 ...	42.81



METEOROLOGICAL STATION.

Summary of Readings from 1st January to 31st December, 1935.

BAROMETER.

Height of Barometer above Sea Level, 546 feet.

Month	Uncorrected Readings				Pressure at Mean Sea Level					
	Mean reading		Range		Highest reading			Lowest reading		
	Millibars	Inches	Millibars	Inches	Millibars	Inches	Day of Month	Millibars	Inches	Day of Month
January .....	1002.1	29.592	51.0	1.506	1041.5	30.775	20	989.5	29.220	25
February .....	982.1	29.001	56.1	1.657	1031.3	30.454	7	973.9	28.759	25
March.....	999.4	29.512	47.1	1.391	1041.2	30.747	8	992.8	29.317	1
April .....	987.8	29.170	39.8	1.174	1027.8	30.351	28	987.0	29.146	10
May.....	1000.6	29.548	23.5	0.694	1035.2	30.569	8	1010.8	29.849	19
June .....	990.2	29.241	33.1	0.977	1027.2	30.333	29	994.7	29.373	7
July.....	999.6	29.518	26.9	0.794	1025.3	30.277	25	998.4	29.483	20
August .....	995.6	29.400	32.7	0.966	1029.8	30.410	6	996.9	29.438	27
September .....	988.0	29.176	48.8	1.441	1025.4	30.280	10	975.5	28.807	17
October .....	985.9	29.114	42.2	1.246	1023.4	30.221	18	980.6	28.957	3
November .....	982.4	29.010	31.2	0.921	1020.9	30.147	25	989.0	29.205	9, 17
December .....	980.4	28.951	58.8	1.736	1035.9	30.590	10	975.8	28.815	1, 26
For the 12 months	991.2	29.270	66.9	1.976	1041.5	30.775	20th Jan	973.9	28.759	25th Feb.

**THERMOMETERS.**

Month	In Screen								On Grass			Solar Radiation			In Ground				
	Maximum				Minimum				Mean Range	Mean Temp.	Day of Month	Mean Reading	Highest Reading	Day of Month	Mean Temp.				
	Mean	Highest Max. Temp.	Day of Month	Lowest Max. Temp.	Day of Month	Highest Min. Temp.	Day of Month	Lowest Min. Temp.											
															1'	4'			
January ...	42.6°	51.6°	1	35.0°	8, 27	34.2°	47.6°	3	23.6°	9	38.4°	8.4°	19.0°	9	54.0°	79.0°	29	39.3°	44.2°
February...	44.3°	51.4°	15, 16	36.4°	25	36.4°	46.4°	20	25.0°	26	40.4°	7.9°	19.6°	26	59.3°	100.0°	23	39.9°	42.7°
March .....	47.3°	55.0°	18, 19	35.2°	9	37.7°	47.0°	19	30.4°	9	42.5°	9.6°	25.8°	12	78.2°	100.2°	20	41.0°	42.5°
April .....	51.4°	59.0°	28	41.2°	4	38.0°	46.2°	10	30.4°	13	44.7°	13.4°	24.8°	5	93.1°	110.2°	24, 28	44.5°	44.3°
May .....	56.8°	70.4°	6	40.4°	17	39.3°	50.2°	3	30.8°	13	48.1°	15.5°	25.0°	22	105.8°	115.6°	27	52.4°	48.4°
June .....	64.8°	84.8°	22	53.4°	18	49.7°	60.4°	23	37.2°	1	57.3°	15.1°	32.0°	1	108.0°	129.0°	24	58.0°	52.0°
July .....	67.6°	82.2°	13	60.2°	17	51.8°	57.6°	27	41.2°	30	59.7°	15.8°	33.8°	30	113.8°	126.2°	11	63.1°	57.0°
August ...	68.2°	79.6°	20	58.0°	27	51.0°	59.0°	20	37.2°	28	59.6°	17.2°	31.4°	28	110.9°	129.0°	11	63.3°	58.9°
September	60.2°	66.0°	1	50.0°	24	47.5°	54.6°	13	35.2°	26	53.9°	12.7°	27.2°	26	95.2°	115.2°	7	54.4°	56.3°
October ...	52.3°	58.8°	15	45.4°	22	41.7°	53.0°	28, 29	26.4°	21	47.0°	10.6°	19.0°	21	74.5°	108.0°	6	47.1°	51.6°
November	47.0°	59.0°	3	41.0°	23	38.5°	47.8°	3, 4	27.0°	24	42.8°	8.5°	22.8°	24	60.4°	84.8°	3	42.6°	47.8°
December	39.9°	51.0°	30	28.0°	20	30.6°	42.0°	31	17.2°	22	35.3°	9.3°	12.8°	23	50.2°	67.4°	10	35.8°	43.4°
For the 12 months	53.5°	84.8°	22 June	28.0°	20 Dec.	41.4°	60.4°	23 June	17.2°	22 Dec.	47.5°	12.0°	12.8°	23 Dec.	83.6°	129.0°	24 June 11 Aug.	48.5°	49.1°

## RAINFALL AND HUMIDITY.

Month	Mean Relative Humid- ity %	Total Rainfall		Mean Daily Rainfall		Greatest fall in one day			No. of days with Rain	No of days with- out Rain
		m. m.	Inches	m. m.	Inches	m. m	Inches	Day of mnth		
Jan. ...	92.3	57.40	2.26	1.85	0.07	19.56	0.77	24	23	8
Feb. ...	92.1	194.31	7.65	6.94	0.27	51.35	2.05	15	24	4
Mar. ...	88.9	44.20	1.74	1.43	0.06	19.81	0.78	23	15	16
April ...	81.3	59.69	2.35	1.99	0.08	11.68	0.46	20	20	10
May ...	70.5	28.96	1.14	0.93	0.04	12.95	0.51	16	8	23
June ...	81.4	111.51	4.39	3.72	0.15	17.02	0.67	7	23	7
July ...	80.2	46.74	1.84	1.51	0.06	17.78	0.70	27	13	18
Aug. ...	81.5	39.12	1.54	1.26	0.05	14.73	0.58	23	9	22
Sept. ...	86.7	187.96	7.40	6.27	0.25	33.78	1.33	21	22	8
Oct. ...	88.6	279.15	10.90	9.01	0.35	44.96	1.77	27	26	5
Nov ...	94.1	124.87	4.92	4.16	0.16	21.84	0.86	14	26	4
Dec. ...	93.1	81.53	3.21	2.63	0.10	11.68	0.46	15	22	9
For the 12 mths.	85.9	1255.44	49.34	3.44	0.14	51.35	2.05	15 Feb	231	134

## BRIGHT SUNSHINE.

Month	Total Bright Sunshine  hours	Mean Daily Bright Sunshine  hours	Highest in one day		No. of days with Bright Sunshine	No. of days without Bright Sunshine
			Amount hours	Day of month		
Jan. ....	27.0	0.9	5.5	27	14	17
Feb. ....	20.1	0.7	6.3	26	14	14
Mar. ....	81.1	2.6	10.0	12	23	8
April ....	146.0	4.9	12.0	21,28	28	2
May ....	261.3	8.4	14.5	22	31	0
June ....	173.8	5.8	15.4	24	29	1
July ....	207.1	6.7	14.3	30	30	1
Aug. ....	194.7	6.3	12.3	6	31	0
Sept. ....	106.1	3.5	10.0	7	26	4
Oct. ....	45.0	1.5	9.0	6	23	8
Nov. ....	30.7	1.0	4.4	6	24	6
Dec. ....	16.5	0.5	3.0	1	15	16
For the 12 mths.	1309.4	3.6	15.4	24 June	298	77

## SOCIAL CONDITIONS.

The chief industry of the district is cotton weaving and trades allied thereto. Artificial silk preparation and silk weaving are also carried on. Employment has been more general throughout the year, and the number unemployed, particularly in the staple industries, was considerably less than the previous year.

From the records available, there does not appear to have been any influence on public health generally which could be attributed to any occupation followed in the area.



## II.—VITAL STATISTICS.

	Per 1,000 of Population				Maternal Mortality Rate		Rate of Deaths under 1 year per 1,000 Live Births
	Live Birth Rate	Crude Death Rate	Death Rate from Tuberculosis of Respiratory System	Death Rate from Cancer	Per 1,000 Live Births	Per 1 000 Total Live and Still Births	
1934	9·2	12·7	0·53	1·76	8·69	8·10	57
1935	9·5	12·4	0·62	1·26	Nil	Nil	76
Increase or decrease in 1935 on previous year	+0·3	- 0·3	+0·09	- 0·50	-8·69	-8·10	+19
Mean of 5 years 1930-1934	10·5	13·0	0·48	1·56	6·49	6·14	62
Increase or decrease in 1935 on 5 years average	- 1·0	- 0·6	+0·14	-0·30	-6·49	-6·14	+14

### BIRTHS (Figures supplied by Registrar General).

Total Number of Registered Live Births .....	353
Males .....	172
Females .....	181
Legitimate Males .....	157
,,      Females .....	175
Illegitimate Males .....	15
,,      Females .....	6
Total Number of Registered Still-births .....	21
Males (Legitimate 10, Illegitimate 1) .....	11
Females (Legitimate 10, Illegitimate 0) .....	10

### BIRTH RATES.

Corrected Birth Rate for year calculated on population of 37,090 .....	9·5
Legitimate Births (alive) .....	8·9
Illegitimate Births (alive) .....	0·6
Legitimate Births (still-births) .....	0·5
Illegitimate Births (still-births) .....	0·02
Legitimate Births (alive and still-births) .....	9·5
Illegitimate Births (alive and still-births) .....	0·6
Total Births (alive and still-births) .....	10·1
Still-births only .....	0·6

MONTHLY ANALYSIS OF BIRTHS IN WARDS, 1935 (NOTIFIED).

Month	Bradley				Central		Clover Hill		Marsden		Netherfield		Southfield		Walverden		Whitefield		Total		Out of Borough				Gross Total of Notified Births	
	Bradley		Central		Clover Hill		Marsden		Netherfield		Southfield		Walverden		Whitefield		Total		Bradley		Netherfield		Total			
																			Alive	Dead	Alive	Dead	Alive	Dead		
Jan. ...	1	...	3	...	6	...	5	...	...	...	...	...	...	...	...	...	...	...	...	30	...	...	2	...	32	...
Feb. ...	6	...	1	...	2	1	5	...	...	...	...	...	...	...	...	...	...	...	...	27	...	...	2	...	29	...
March ...	3	...	3	...	2	...	5	...	...	...	...	...	...	...	...	...	...	...	...	28	...	...	2	...	30	...
April ...	6	...	4	...	...	...	3	2	...	...	...	...	...	...	...	...	...	...	...	25	4	...	3	...	28	...
May ...	10	...	2	...	2	1	5	...	...	...	...	...	...	...	...	...	...	...	...	32	...	...	2	...	34	...
June ...	5	...	1	...	2	...	...	1	...	...	...	...	...	...	...	...	...	...	...	18	...	...	3	...	21	...
July ...	9	...	2	...	2	...	6	...	...	...	...	...	...	...	...	...	...	...	...	28	...	...	1	...	29	...
Aug. ...	5	...	2	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...	25	...	...	1	...	26	...
Sept. ...	3	...	4	...	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	26	...	...	...	...	26	...
Oct. ...	5	...	2	...	2	...	3	...	...	...	...	...	...	...	...	...	...	...	...	24	...	...	1	...	25	...
Nov. ...	4	...	...	...	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	21	1	...	1	...	22	...
Dec. ...	4	1	2	...	4	1	7	...	5	...	...	...	...	...	...	...	...	...	...	32	2	...	..	...	32	2
Total...	61	1	26	...	28	3	46	3	41	2	39	2	37	5	38	3	316	19	3	..	15	18	..	334	19	

Births in the Fern Lea Maternity Home are allocated to the Wards of the Borough in which the patients reside.

## DEATHS. (Figures supplied by Registrar-General).

Total number of deaths in district .....	368
Number of deaths of non-residents .....	13
Number of deaths of residents occurring outside the Borough .....	105
Total Nett Deaths for the year .....	460
Crude Death Rate, calculated on population of 37,090 .....	12.4 per 1,000
Adjusted Death Rate (Comparability Factor, 1.07) .....	13.2 per 1,000
Decrease on last year .....	0.3
Excess of Deaths over Births in 1928 .....	32
Excess of Deaths over Births in 1929 .....	126
Excess of Deaths over Births in 1930 .....	14
Excess of Deaths over Births in 1931 .....	100
Excess of Deaths over Births in 1932 .....	70
Excess of Deaths over Births in 1933 .....	142
Excess of Deaths over Births in 1934 .....	131
Excess of Deaths over Births in 1935 .....	107
Average excess of Deaths over Births for 8 years .....	90



## CAUSES OF DEATH.

ALL CAUSES.				Males <b>231</b>		Females <b>229</b>	
		M.	F.			M.	F.
1	Typhoid & Paratyphoid Fevers.....	...	...	21	Other Respiratory Diseases .....	2	3
2	Measles .....	...	..	22	Peptic Ulcer ... ..	5	1
3	Scarlet Fever .....	2	1	23	Diarrhœa, &c. (under 2 years) ...	1	...
4	Whooping Cough ...	...	...	24	Appendicitis .....	4	2
5	Diphtheria .....	1	2	25	Cirrhosis of Liver...	...	...
6	Influenza .....	2	5	26	Other Diseases of Liver, &c. ....	2	4
7	Encephalitis Lethargica .....	...	...	27	Other Digestive Diseases .....	9	10
8	Cerebro-Spinal Fever .....	...	...	28	Acute and Chronic Nephritis .....	3	8
9	Tuberculosis of Respiratory System	10	13	29	Puerperal Sepsis ...	...	...
10	Other Tubercular Diseases .....	2	...	30	Other Puerperal causes .....	...	...
11	Syphilis .....	1	1		Congenital Debility Premature Birth Malformation, &c	11	8
12	General Paralysis of the Insane Tabes Dorsalis...	2	...	31		7	8
13	Cancer, Malignant Disease .....	25	22	32	Senility .....	9	5
14	Diabetes .....	7	6	33	Suicide .....	10	5
15	Cerebral Hæmorrhage, &c.....	16	9	34	Other Violence.....	15	19
16	Heart Disease .....	59	62	35	Other defined Diseases .....	...	...
17	Aneurysm .....	...	...	36	Causes ill-defined or unknown .....	...	...
18	Other Circulatory Diseases .....	9	15		Special causes included in No. 35		
19	Bronchitis .....	11	12		Smallpox .....	...	...
20	Pneumonia <i>all forms</i>	6	8		Poliomyelitis.....	...	...
					Polioencephalitis	...	...

DEATH RATES PER 1,000 OF POPULATION FROM VARIOUS CAUSES.  
COMPARISON WITH THE FIVE PREVIOUS YEARS.

CAUSE OF DEATH	Death Rate per 1,000 of Population.					
	1935	1934	1933	1932	1931	1930
All Causes ... ..	12·4	12·7	14·2	12·8	13·0	12·1
Typhoid and Paratyphoid Fevers	...	...	...	0 026	...	...
Measles ... ..	...	0·027	0·026	...	...	0·125
Scarlet Fever ...	0·081	0·053	0·053	...	...	...
Whooping Cough ...	...	0·027	0·079	0·026	0 051	0·025
Diphtheria ... ..	0·081	0·027	0·026	0·026	0·077	0·025
Influenza ... ..	0·188	0·134	0 981	0·287	0 491	0·150
Encephalitis Lethargica ... ..	...	0·053	0·053	0·052	...	0·100
Cerebro Spinal Fever	...	0·027	...	...	...	...
Tuberculosis of Respiratory System	0·620	0·535	0·451	0·549	0·388	0·503
Other Tubercular Diseases ... ..	0·054	0 241	0 185	0·183	0·129	0·050
Syphilis ... ..	0·054	0·053	0·106	...	0·051	...
General Paralysis of the Insane, tabes dorsalis ... ..	0·054	...	...	0·026	0·025	...
Cancer, Malignant Disease ... ..	1·267	1·766	1·750	1·386	1·708	1·232
Diabetes ... ..	0·350	0·375	0 238	0 156	0·181	0·201
Cerebral Hæmorrhage, &c. ... ..	0·674	0·696	0·716	0 941	1·086	0·903
Heart Disease ...	3·262	3·105	3·712	3·505	3·002	2·590
Aneurysm ... ..	...	0·080	...	0 052	0·025	...
Other Circulatory Diseases ... ..	0·647	0·856	0·610	0·837	0·697	0·578
Bronchitis ... ..	0·620	0·348	0·875	0·654	0·776	0·628
Pneumonia, all forms	0·377	0·455	0·636	0 523	0·517	0·452
Other Respiratory Diseases ... ..	0 134	0·053	0·132	0 052	0·129	...
Peptic Ulcer ... ..	0·161	...	0·132	0 052	0·103	0·100
Diarrhoea, &c. (under 2 years) ...	0·027	0·107	...	...	0·025	0·075
Appendicitis ... ..	0·161	0·053	0·106	0·052	0·103	0 075
Cirrhosis of Liver ...	...	...	0·106	0 078	0·025	0·025
Other Diseases of Liver, etc. ... ..	0·161	0·214	0·079	0 209	0·051	...
Other Digestive Diseases ... ..	0·512	0·375	0·238	0 313	0 517	...
Acute and Chronic Nephritis ... ..	0·296	0·455	0·371	0·523	0·336	0·427
Puerperal Sepsis ...	...	...	...	0·026	...	0·050
Other Puerperal Causes ... ..	...	0·080	0·106	0·026	0·025	0·025
Congenital Debility, Premature Birth, Malformations, etc	0·512	0·241	0·451	0·444	0·259	0·603
Senility ... ..	0·404	0·428	0·397	0·549	0 517	...
Suicide ... ..	0·377	0·214	0·185	0·156	0·259	0·226
Other Violence ...	0·404	0·482	0·424	0·209	0·362	0·528
Other defined Diseases	0·916	1 124	0·954	0·758	1·139	2·389
Causes ill-defined or unknown ... ..	...	0·053	0·026	0·130	0·025	...
Special Causes (included in other diseases) ... ..						
Smallpox ... ..	...	...	...	...	...	...
Poliomyelitis ... ..	...	...	...	...	...	...
Polioencephalitis ...	...	...	...	0·026	...	...

COMPARISON OF NUMBER OF DEATHS FROM VARIOUS CAUSES, WITH  
CORRESPONDING FIGURES FOR 1934.

Causes of Death	No. of Deaths 1935	No. of Deaths 1934	Increase for Year	Decrease for Year
Typhoid and Paratyphoid Fevers .....	...	...	...	...
Measles .....	...	1	...	1
Scarlet Fever .....	3	2	1	...
Whooping Cough .....	...	1	...	1
Diphtheria .....	3	1	2	...
Influenza .....	7	5	2	...
Encephalitis Lethargica .....	...	2	...	2
Cerebro Spinal Fever .....	...	1	...	1
Tuberculosis of Respiratory System ...	23	20	3	...
Other Tuberculous Diseases .....	2	9	...	7
Syphilis .....	2	2	...	...
General Paralysis of the insane, tabes dorsalis .....	2	...	2	...
Cancer, Malignant Disease .....	47	66	...	19
Diabetes .....	13	14	...	1
Cerebral Hæmorrhage, etc. ....	25	26	...	1
Heart Disease .....	121	116	5	...
Aneurysm .....	...	3	...	3
Other Circulatory Diseases .....	24	32	...	8
Bronchitis .....	23	13	10	...
Pneumonia (all forms) .....	14	17	...	3
Other Respiratory Diseases .....	5	2	3	...
Peptic Ulcer .....	6	...	6	...
Diarrhœa, etc. (under 2 years) .....	1	4	...	3
Appendicitis .....	6	2	4	...
Cirrhosis of Liver .....	...	...	...	...
Other diseases of Liver, etc. ....	6	8	...	2
Other Digestive Diseases .....	19	14	5	...
Acute and Chronic Nephritis .....	11	17	...	6
Puerperal Sepsis .....	...	..	...	...
Other Puerperal Causes .....	...	3	...	3
Congenital Debility, Premature Birth, Malformations .....	19	9	10	...
Senility .....	15	16	...	1
Suicide .....	14	8	6	...
Other Violence .....	15	18	...	3
Other defined diseases .....	34	42	...	8
Causes ill-defined or unknown .....	...	2	...	2
Special causes (included in other diseases):—				
Smallpox .....	...	...	...	...
Poliomyelitis .....	...	...	...	...
Polioencephalitis .....	...	...	...	...

## SUMMARY OF AGES AT DEATH.

Age Groups	Deaths in Nelson		Outward Tra'sfers		Inward Tra'sfers		Total Deaths allocated to Nelson			% of each group to total deaths
	M	F	M	F	M	F	M.	F.	Total	
Under 1 year.....	15	8	1	1	4	2	18	9	27	5.9
Over 1 and under 2 years	2	1	...	...	...	...	2	1	3	0.7
" 2 " 5 "	2	1	1	...	...	...	1	1	2	0.4
" 5 " 10 "	5	2	...	...	...	...	5	2	7	1.5
" 10 " 15 "	...	1	...	...	...	...	..	1	1	0.2
" 15 " 20 "	1	3	...	...	...	1	1	4	5	1.1
" 20 " 25 "	2	6	...	...	...	1	2	7	9	2.0
" 25 " 30 "	6	8	1	...	1	2	6	10	16	3.5
" 30 " 35 "	3	7	...	1	1	1	4	7	11	2.4
" 35 " 40 "	2	7	...	...	...	1	2	8	10	2.2
" 40 " 45 "	2	2	1	...	1	3	2	5	7	1.5
" 45 " 50 "	7	8	...	...	7	4	14	12	26	5.7
" 50 " 55 "	7	9	...	1	6	4	13	12	25	5.4
" 55 " 60 "	17	12	2	...	4	5	19	17	36	7.8
" 60 " 65 "	16	18	1	...	7	4	22	22	44	9.6
" 65 " 70 "	32	18	1	...	12	4	43	22	65	14.1
" 70 " 75 "	27	33	...	1	8	8	35	40	75	16.3
" 75 " 80 "	16	24	...	...	8	2	24	26	50	10.9
" 80 " 85 "	10	15	...	1	2	...	12	14	26	5.6
" 85 " 90 "	2	9	...	...	2	...	4	9	13	2.8
" 90 " 95 "	2	...	...	...	...	...	2	...	2	0.4
Totals.....	176	192	8	5	63	42	231	229	460	...

% of deaths of 70 years and over, 36.1



MONTHLY ANALYSIS OF DEATHS IN WARDS IN 1935.

Month	Bradley			Central			Clover Hill			Marsden			Netherfield			Southfield			Walverden			Whitefield			Total		
	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T			
Jan.	2	...	2	8	...	2	2	...	...	...	...	...	5	...	...	1	...	3	3	...	2	1	26	...	10		
Feb.	4	...	...	8	...	...	2	...	1	...	...	...	4	...	...	1	...	1	3	...	1	29	...	8			
Mar.	6	...	1	1	...	...	9	...	1	...	...	...	4	...	...	1	...	...	6	...	2	44	...	6			
Apr.	8	1	...	8	...	1	2	...	2	...	2	...	5	1	...	2	...	...	4	1	1	40	...	9			
May	...	...	3	4	...	...	1	...	1	...	...	...	5	1	...	1	...	4	7	...	2	25	...	13			
June	3	2	2	2	...	1	4	...	1	...	...	...	3	...	...	1	...	...	6	...	2	33	...	7			
July	6	...	4	4	...	2	3	...	1	...	...	...	4	...	...	1	...	1	3	...	2	27	...	12			
Aug.	5	1	2	2	...	1	1	...	...	...	...	...	1	...	...	...	...	1	...	...	1	13	...	7			
Sept.	5	2	...	2	...	...	4	...	...	...	...	...	6	...	2	1	...	2	...	...	1	27	...	7			
Oct.	6	1	...	3	...	...	2	...	2	...	2	...	7	...	2	1	...	1	5	...	1	32	...	6			
Nov.	8	...	...	4	...	1	1	...	1	...	1	...	3	...	1	1	...	...	5	...	2	31	...	5			
Dec.	9	1	2	6	...	1	3	...	...	...	...	...	4	...	1	3	...	1	7	...	3	41	...	15			
Totals	62	8	16	52	...	11	34	...	9	18	51	2	18	48	1	14	47	...	14	34	1	17	368	13	105		
Nett Deaths	70			45			63			43			67			61			50			460					

## MONTHLY ANALYSIS OF DEATHS SHOWING RATES.

Month	Actual Deaths in Nelson		Outward Transfers		Inward Transfers		Nett Deaths for Nelson	
	Number	Death Rate	Number	Death Rate	Number	Death Rate	Number	Death Rate
Jan.....	26	8·4	...	...	10	3·2	36	11·6
Feb .....	29	9·4	...	...	8	2·5	37	11·9
Mar. ..	44	14·2	3	0·9	6	1·9	47	15·2
April	40	12·9	2	0·6	9	2·9	47	15·2
May.....	25	8·0	1	0·3	13	4·2	37	11·9
June ...	33	10·6	2	0·6	7	2·2	38	12·2
July.....	27	8·7	...	...	12	3·8	39	12·5
Aug. ...	13	4·2	1	0·3	7	2·2	19	6·1
Sept. ...	27	8·7	2	0·6	7	2·2	32	10·3
Oct.....	32	10·3	1	0·3	6	1·9	37	11·9
Nov. ...	31	10·0	...	...	5	1·6	36	11·6
Dec .....	41	13·2	1	0·3	15	4·8	55	17·7

## AVERAGE AGE AT WHICH DEATH OCCURRED.

	1935			1934	1933	1932
	Male	Female	Total Persons	Total Persons	Total Persons	Total Persons
Deaths in Nelson :						
Excluding infants under 12 months .....	58·75	60·20	59·52	61·24	59·46	60·67
Including infants under 12 months .....	53·76	57·70	55·81	58·64	55·64	57·38
Deaths in Nelson of non- residents :						
Excluding infants under 12 months .....	45·57	58·00	50·09	53·12	52·70	62·30
Including infants under 12 months .....	39·87	46·40	42·88	53·12	45·82	62·30
Deaths of residents of Nel- son in other districts :						
Excluding infants under 12 months .....	64·25	53·12	59·69	55·87	53·89	58·83
Including infants under 12 months .....	60·18	50·60	56·34	54·06	51·68	58·21
Nett deaths allocated to Nelson :						
Excluding infants under 12 months .....	60·93	59·50	60·21	60·49	58·71	60·27
Including infants under 12 months .....	56·20	57·17	56·68	57·95	55·35	57·44



## INFANTILE MORTALITY.

Total number of Deaths under 1 year of age in Nelson .....	23
Number of Deaths of Infants in Nelson non-resident .....	2
Number of Deaths of Infants outside Nelson transferred to Nelson .....	6
Nett Deaths under 1 year .....	27
Increase on last year .....	7
Infantile Mortality Rate .....	76
Average for the previous five years per 1,000 births .....	62

The causes of deaths of Infants during the last ten years are shown in the following table.

Year	Infectious Diseases	Diarr- hoeal Diseases	Premature Births, Congenital Defects and Injury at Birth	Wasting Diseases	Chest Diseases	Other Diseases	Total
1926	2	2	10	3	7	3	27
1927	...	4	15	1	1	4	25
1928	1	5	10	2	6	1	25
1929	2	1	8	6	7	2	26
1930	...	2	26	2	2	5	37
1931	2	1	10	1	3	1	18
1932	1	...	16	1	5	...	23
1933	4	...	17	2	4	4	31
1934	3	3	9	...	5	...	20
1935	...	1	19	2	3	2	27

## COMPARISON OF INFANTS' DEATHS AT VARIOUS AGE PERIODS.

AGE GROUP.	1935			1934		
	No. of Deaths	% of Infant Deaths	Mortality Rate per 1000 Births	No. of Deaths	% of Infant Deaths	Mortality Rate per 1000 Births
Under 1 day .....	8	29·6	23	3	15·0	9
Over 1 day and under 2 days .....	1	3·7	3	2	10·0	6
„ 2 days „ 3 „ .....	...	...	...	1	5·0	3
„ 3 „ „ 4 „ .....	...	...	...	1	5·0	3
„ 4 „ „ 5 „ .....	...	...	...	...	...	...
„ 5 „ „ 6 „ .....	...	...	...	...	...	...
„ 6 „ „ 7 „ .....	1	3·7	3	...	...	...
Total under 1 week.....	10	37·0	29	7	35·0	20
Over 1 week and under 2 weeks ...	2	7·4	5	1	5·0	3
„ 2 weeks „ 3 „ ...	2	7·4	5	...	...	...
„ 3 „ „ 4 „ ...	1	3·7	3	3	15·0	9
Total under 1 month.....	15	55·5	42	11	55·0	32
Over 1 month and under 3 months	5	18·5	15	3	15·0	9
„ 3 months „ 6 „	4	14·8	11	2	10·0	6
„ 6 „ „ 9 „	1	3·7	3	1	5·0	3
„ 9 „ „ 12 „	2	7·4	5	3	15·0	9
TOTAL DEATHS.....	27	100·0	76	20	100·0	59

COMPARISONS OF INFANTILE MORTALITY RATES PER QUARTER AND  
PER MONTH (NOTIFIED BIRTHS).

	Number of Infant Deaths.	Infantile Mortality Rate.
March quarter .....	8	88
June quarter .....	8	96
September quarter .....	1	12
December quarter .....	10	126

Month.	No. of Live Births Notified.	No. of Infant Deaths for month.	Total to-date.	Infant Mortality Rate for month.	to-date.
January .....	32	3	3	94	94
February .....	29	3	6	103	98
March .....	30	2	8	66	88
April .....	28	1	9	35	75
May .....	34	3	12	88	78
June .....	21	4	16	190	92
July .....	29	1	17	35	83
August .....	26	—	17	—	73
September .....	26	—	17	—	66
October .....	25	2	19	80	68
November .....	22	2	21	91	69
December .....	32	6	27	187	80

INFANTILE MORTALITY RATES ACCORDING TO VARIOUS CAUSES OF  
DEATH.

Cause of Death	No. of Deaths.	Rate per 1,000 Births.
Prematurity .....	8	22
Congenital Defects .....	9	25
Injury at Birth .....	2	5
Marasmus .....	2	5
Gastro-Enteritis .....	1	3
Bronchitis .....	2	5
Pneumonia .....	1	3
Endocarditis (Rheumatism) .....	1	3
Accidental .....	1	3

# INFANTILE MORTALITY DURING THE YEAR 1935.      Nett Deaths from stated causes at various ages under One Year.

CAUSES OF DEATH.	Under 1 day	1 and under 2 days	2 and under 3 days	3 and under 4 days	4 and under 5 days	5 and under 6 days	6 and under 7 days	Total under 1 week	1 and under 2 wks.	2 and under 3 wks.	3 and under 4 wks.	Total under 4 wks.	1 and under 3 mths.	3 and under 6 mths.	6 and under 9 mths.	9 and under 12 mths.	Total under 1 year
ALL CAUSES.	8	1	...	...	...	...	1	10	2	2	1	15	5	4	1	2	27
Smallpox .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chickenpox .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria and Croup .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tubercular Meningitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Abdominal Tuberculosis ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Meningitis (not Tuberculous)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Convulsions .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Influenza .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bronchitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Pneumonia (all forms) .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
Diarrhoea .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteritis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Gastritis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Syphilis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rickets .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Suffocation .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Injury at Birth .....	2	...	...	...	...	...	...	2	...	...	...	2	...	...	...	...	2
Atelectasis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Congenital Malformations...	3	1	...	...	...	...	1	5	1	1	1	8	...	...	...	...	8
Premature Birth .....	3	...	...	...	...	...	...	3	1	1	...	5	2	1	...	...	8
Atrophy, Debility, Marasmus	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	2
Other Causes .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
Totals .....	8	1	...	...	...	...	1	10	2	2	1	15	5	4	1	2	27

BIRTHS AND DEATHS CLASSIFIED IN WARDS.  
(NOTIFIED BIRTHS).

Ward	Live Births Notified	Deaths Registered	Infantile Deaths Registered	Infantile Mortality Rate
Bradley .....	61	70	4	65
Central .....	26	45	1	38
Clover Hill .....	28	63	1	35
Marsden.....	46	43	...	...
Netherfield.....	41	67	6	146
Southfield .....	39	61	3	77
Walverden.....	37	61	7	189
Whitefield .....	38	50	5	131
Total.....	316	460	27	85

BIRTH AND DEATH RATES IN NELSON FOR THE LAST TEN YEARS.  
(Per 1,000 of population).

Year	Birth Rate	Crude Death Rate	Zymotic Death Rate	Infantile Death Rate per 1000 Births
1926	12·0	11·8	0·18	56
1927	11·0	12·9	0·22	57
1928	11·5	12·3	0·15	54
1929	10·9	14·1	0·22	59
1930	11·7	12·1	0·25	78
1931	10·5	13·0	0·16	44
1932	10·9	12·8	0·08	54
1933	10·4	14·2	0·21	78
1934	9·2	12·7	0·24	57
1935	9·5	12·4	0·19	76
Average for 10 years	10·76	12·83	0·19	61

The particulars for the year have been added to the the appended diagram, showing continuously for the years 1906 to 1935.

A.—The actual number of births year by year in Nelson.

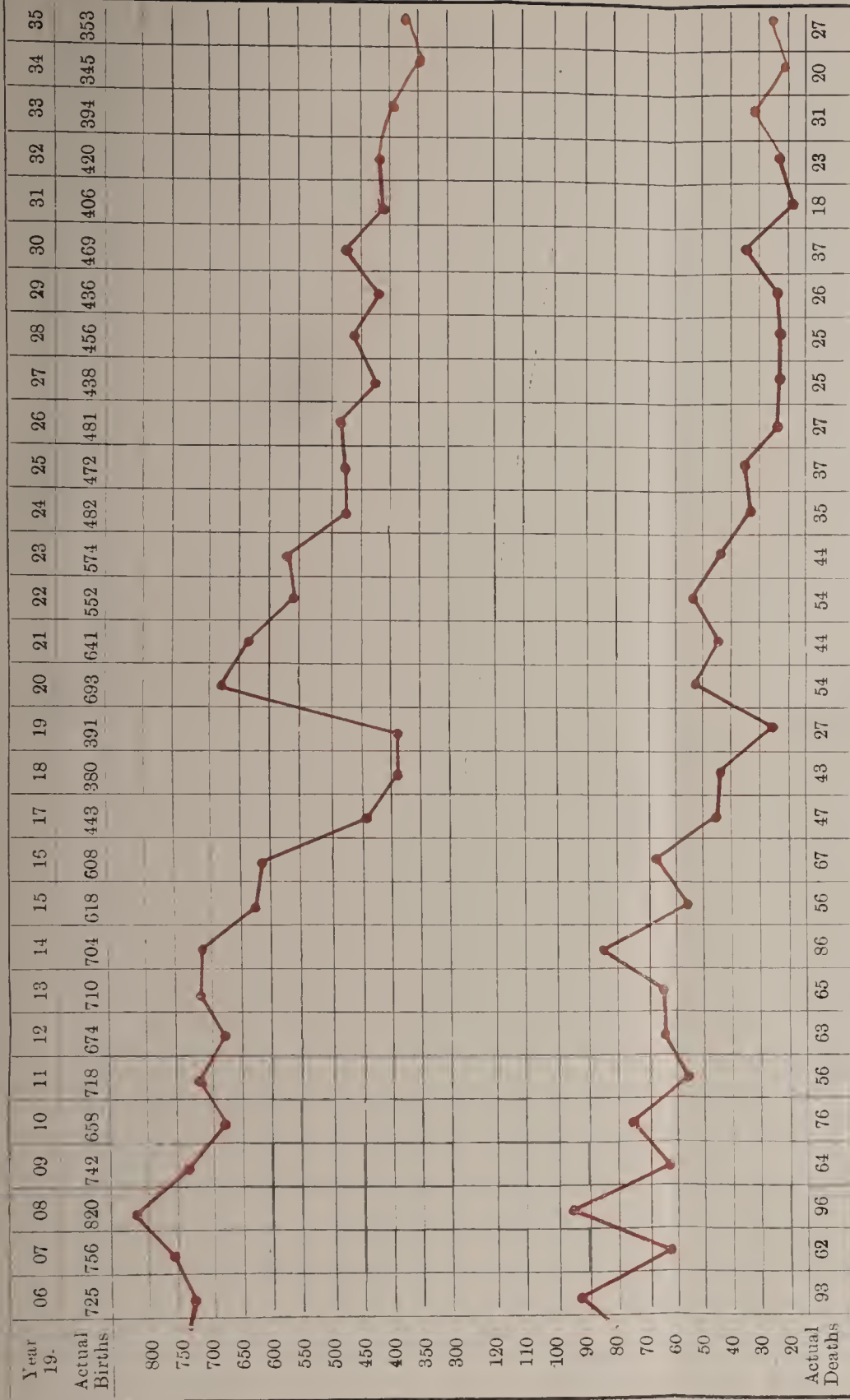
B.—The actual number of infant deaths year by year in Nelson.

C.—The actual Infantile Death Rate per 1,000 births.

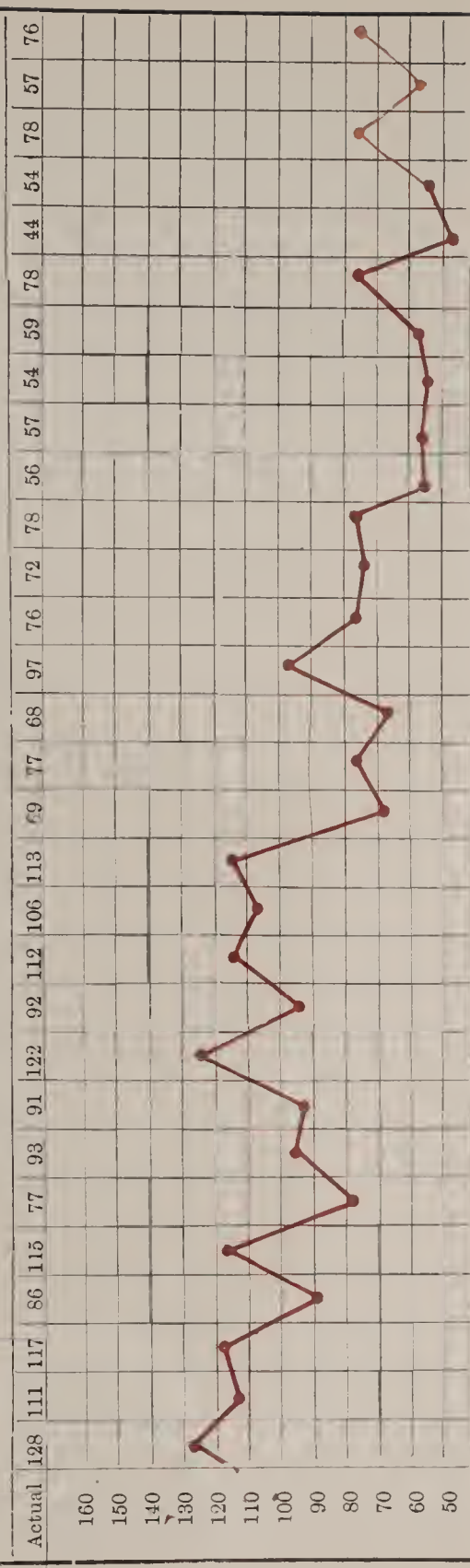
D.—The Birth Rate per 1,000 of population.



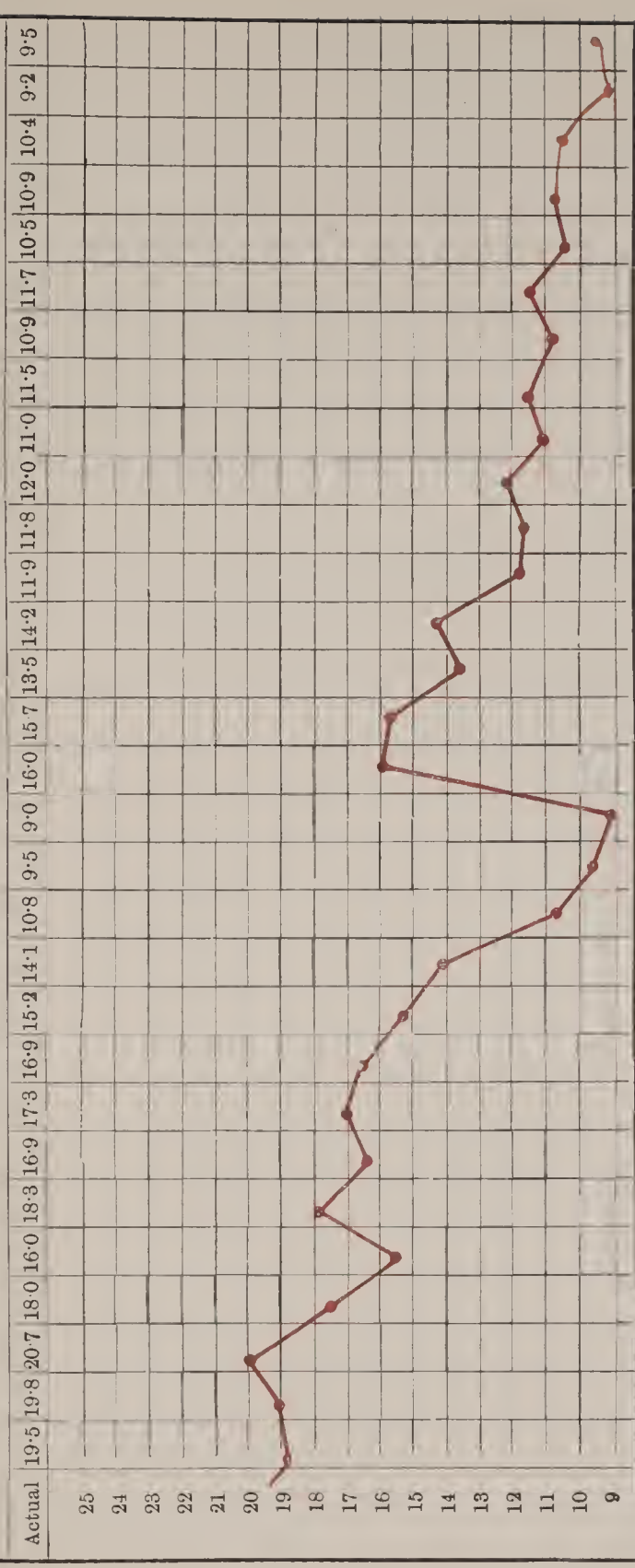
# Actual Number of Births and Infant Deaths per year from 1906



## Infantile Death Rate per 1000 Births



## Birth Rate per 1000 Population







**VITAL STATISTICS OF WHOLE DISTRICT DURING 1935 AND PREVIOUS YEARS.**

Year	Population estimated to middle of each year	Live Births			Total Deaths Registered in the District		Transferable Deaths		Nett Deaths belonging to the District			
		Un- corrected Number (notified)	Nett (Registered)		Number	Rate	Of Non- residents regist'r'd in the District	Deaths in the District	Under 1 year of age		At all ages	
			Number	Rate					Number	Rate per 1000	Number	Crude Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
1926	39820	508	481	12.0	407	10.2	13	78	27	56	472	11.8
1927	39810	451	438	11.0	461	11.5	18	74	25	57	517	12.9
1928	39560	472	456	11.5	417	10.5	10	81	25	54	488	12.3
1929	39760	446	436	10.9	470	11.8	12	104	26	59	562	14.1
1930	39760	479	469	11.7	405	10.1	10	88	37	78	483	12.1
1931	38640	415	406	10.5	413	10.7	10	103	18	44	506	13.0
1932	38230	418	420	10.9	405	10.6	10	95	23	54	490	12.8
1933	37710	394	394	10.4	462	12.3	23	97	31	78	536	14.2
1934	37360	338	345	9.2	401	10.7	17	92	20	57	476	12.7
1935	37090	334	353	9.5	368	9.9	13	105	27	76	460	12.4

# BIRTH RATES, DEATH RATES, AND ANALYSIS OF MORTALITY IN THE YEAR 1935.

(England and Wales, London, 121 County Boroughs and Great Towns, and 140 Smaller Towns).

(Provisional figures. Based on Weekly and Quarterly Returns).

	Rate per 1000 Population		Annual Death-Rate per 1,000 Population								Rate per 1,000 Live Births		Increase or Decrease on Rates for 1934.				
			All Causes	Typhoid and Paratyphoid Fevers	Smallpox	Measles	Scarlet Fever	Whooping Cough	Diphtheria	Influenza	Violence	Diarrhoea and Enteritis (under Two years).	Total Deaths under One Year.	Birth Rate		Crude Death Rate	Infantile M't'lity Rate
	Live Births	Still-births															
														Live Births	Still-births		
England and Wales .....	14.7	0.62	11.7	0.00	0.00	0.03	0.01	0.04	0.08	0.18	0.52	5.7	57	-0.1	No change	-0.1	-2
121 County Boroughs and Great Towns, including London.....	14.8	0.68	11.8	0.00	0.00	0.04	0.01	0.04	0.09	0.16	0.45	7.9	62	+0.1	+ 0.02	No change	-1
140 Smaller Towns (Estimated Resident Populations 25,000 to 50,000 at Census 1931) .....	14.8	0.64	11.2	0.00	0.00	0.03	0.01	0.03	0.07	0.17	0.41	3.8	55	-0.2	-0.03	-0.1	+2
London.....	13.3	0.52	11.4	0.00	0.00	0.00	0.01	0.04	0.06	0.11	0.51	11.2	58	+0.1	+0.02	-0.5	-9
Nelson .....	9.5	0.56	12.4	0.00	0.00	0.00	0.08	0.00	0.08	0.19	0.78	2.8	76	+0.3	-0.10	-0.3	+19

### III.—GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

Hospital Accommodation is provided for

- (a) Smallpox, 32 beds, situated at Catlow.
- (b) Scarlet Fever, 8 beds, situated at Catlow.
- (c) Other Diseases, 4 beds, situated at Catlow.

By agreement with the Barrowford Urban District Council, cases from that District are admitted, but no retaining fee is paid.

Patients are not required to contribute towards the cost of treatment.

(d) Maternity cases, 10 beds, situated at Fern Lea, and provided by the Council.

No hospital accommodation is provided for

- (a) Tuberculosis.
- (b) Children.

The Public Assistance Institution for the district is the Municipal Hospital, Burnley.

#### AMBULANCE FACILITIES.

Two motor ambulances are provided by the Local Authority and are kept at the Fire Station. These are available for use in cases of accidents and other non-infectious cases, including maternity cases, requiring removal to or from Hospital. Arrangements for use are made through the Superintendent of the Fire Brigade, who has charge of this service.

For infectious cases there is a motor ambulance under the control of the Public Health Department.

#### CLINIC AND TREATMENT CENTRES.

The following is a list of the clinic and treatment centres available to Nelson residents.

- |   |  |
|---|--|
| (a) Maternity and Child Welfare Centre. | Provided by the Local Authority, and situated in Carr Road. A weekly session is held on Wednesday afternoon. |
| (b) School Clinic.                      | Provided by the Local Authority, situated in Carr Road, and open daily.                                      |



- |  |  |
|--|--|
| (c) Orthopædic Clinic.                     | Provided co-jointly by the Local Authority and the County Council. Weekly session held at the School Clinic on Friday.                   |
| (d) Artificial Light Clinic.               | Provided by the County Council in conjunction with their provision for tubercular patients, and situated at the Tuberculosis Dispensary. |
| (e) Tuberculosis<br>Dispensary.            | Provided by the County Council and situated at 64 Carr Road.   |
| (f) Venereal Diseases<br>Treatment Centre. | Provided by the County Council and situated at the Victoria Hospital, Burnley.   |

#### PUBLIC HEALTH OFFICERS OF THE LOCAL AUTHORITY.

The staff of the Public Health Department consists of (a) the Medical Officer of Health, who is also School Medical Officer and has charge of the Infectious Diseases Hospitals, (b) a Chief Sanitary Inspector, (c) two Assistant Sanitary Inspectors, one of whom acts as Chief Clerk, (d) General Clerk, (e) two whole-time Health Visitors and one part-time Health Visitor, in the latter case part time is devoted to work in connection with the School Medical Service, (f) Matron of the Maternity Home, the staff thereat being under her control, and (g) a part-time Veterinary Inspector who makes routine examinations of all dairy herds and farm premises within the borough.

#### THE NURSING HOMES REGISTRATION ACT, 1927.

There are no premises within the borough that are registered under the above Act.

#### PROFESSIONAL NURSING IN THE HOME.

An annual contribution is paid to the District Nursing Association, and an agreement with them provides nursing assistance to be rendered in certain cases of Measles, Ophthalmia Neonatorum and Puerperal Pyrexia. The arrangements for nursing assistance have to be made through the Medical Officer of Health, following a request by the medical practitioner in attendance, and a fee is paid to the Nursing Association according to the number of visits made.



No application for nursing assistance has been received during the year. The Association supply three District Nurses but no midwifery or monthly nursing is undertaken. No co-ordination exists between the Nursing Association and the Local Authority in respect of Maternity and Child Welfare duties.

The Local Authority contribute annually to the Reedyford Hospital, Nelson, and also to the Manchester Hospitals, including the Royal Infirmary, St. Mary's, the Royal Eye Hospital and the Royal Children's Hospital.

#### MILK, ETC., FOR EXPECTANT MOTHERS AND INFANTS.

A scheme is in operation for the provision of milk in necessitous cases both for ante-natal mothers and infants, whilst Ostermilk and Almata are sold at nett cost price. Cod Liver Oil Emulsion and Lactogol are also sold.

The following figures give an indication of the amount of milk supplied free during the year.

Number in receipt of Free Milk, 1st January, 1935 .....	67
„ „ „ „ 31st December, 1935 .....	66
„ „ „ „ during year .....	128
Daily supply of milk at 1st January, 1935 .....	66 pints
„ „ „ 31st December, 1935 .....	64 pints

#### MIDWIVES.

There are 8 midwives practising in the town who are on the County Council Register. Of these, however, 5 are in the employ of the Local Authority at the Fern Lea Maternity Home. No midwife is employed or assisted by the Local Authority for district work.

#### LEGISLATION IN FORCE.

A list of the local and adopted Sanitary Acts administered by the Council is given on page 4.

#### WATER SUPPLY.

This is derived from two gathering grounds, one 4 miles distant on the East side of the town, supplying Coldwell Reservoir, and one 4 miles distant on the West side of the town supplying Ogden Reservoir.

Lower Coldwell Reservoir:—Altitude 943 feet; capacity 80,000,000 gallons. Upper Coldwell Reservoir:—Altitude 990 feet; capacity 43,500,000 gallons. Filtration, 4 “ Bell ” Vertical Filters; nature of water, good, very slightly hard.

Ogden Reservoirs:—No. 1, Altitude 989 feet; capacity 54,500,000 gallons. No. 3, Altitude 837 feet; capacity 157,500,000 gallons; filtration, 12 “ Bell ” Vertical Pressure Filters, and two “ Paterson ” Horizontal Pressure Filters; nature of water, good, soft.

Ridgaling Service Reservoir:—Altitude, 755 feet; capacity 5,000,000 gallons.

Waidshouse Service Reservoir:—Altitude 718 feet; capacity 2,000,000 gallons.

The total storage capacity of the Reservoirs is approximately 160 days supply.

Average Daily Consumption, 2,008,387 gallons. Daily Consumption per head of population in area of supply, 37.96 gallons.

During the past year the Water Department has carried forward the scheme of replacing old joint service pipes, which are proving inadequate for present demands, by means of new mains with separate service pipes to each house. Altogether, since the commencement of this scheme nine years ago, 351 rows of houses have been so treated; every house dealt with under this scheme now has a satisfactory water supply.

There has been no curtailment of the supply during 1935.

At the 31st December, 1935, all the reservoirs were filled with water:

At Ogden ..... 211,545,000 gallons

At Coldwell ..... 123,500,000 gallons

---

Total ..... 334,945,000 gallons

Which represents a normal supply for 161 days.

#### RIVERS AND STREAMS.

The provisions of the Rivers Pollution Acts are administered by the Ribble Joint Committee.

## DRAINAGE AND SEWERAGE.

Nature of drainage of district, water carriage; situation of Sewage Works, Linedred; mode of delivery of sewage at Works, high level gravitating sewer. (Sewage from low-lying district of Lomeshaye is carried by a low-level sewer which is emptied into the high level sewer by means of automatic ejectors at the Works).

Treatment .....	Biological
Dry weather flow .....	1,750,000 gallons per day
Detritus tanks, total capacity .....	44,754 gallons
Storm tanks, total capacity .....	448,319 gallons
Percolating Filters, total capacity .....	25,831 cubic yards
Sedimentation tanks, total capacity .....	1,036,888 gallons
Humus tanks, total capacity .....	1,263,000 gallons
Surface aeration plant to treat 150,000 gallons per day.	

No area is without a drainage system. Drain-testing, flushing, etc., is carried out by the Corporation staff when necessary.

## CLOSET ACCOMMODATION.

No. of Privy Middens (in town) .....	1
No. of Pail Closets .....	6
No. of Fresh Water Closets .....	4,455
No. of Waste Water Closets .....	8,096
No. of Dry Ashpits, excluding Middens .....	2,461
No. of Portable Receptacles for Refuse .....	9,694

Conversions during the year:—

No. of Privies or Privy Middens (on outskirts of town)	
converted to Fresh Water Closets .....	Nil
No. of Pail Closets to Fresh Water Closets .....	Nil
No. of Waste Water Closets to Fresh Water Closets .....	40
No. of Houses at which Portable Ashbins have been	
substituted for Ashpits .....	2,518

In all new property Fresh Water Closet accommodation and Portable Ashbins are now being provided.

## CLEANSING AND SCAVENGING.

The removal and disposal of house and shop refuse, and street scavenging is carried out by the Cleansing Department



under the control of the Director of Public Cleansing, who has kindly supplied me with the following particulars relative to the work of the Department.

Street scavenging is carried out by Motor sweepers, which combine both sweeping and picking up the refuse. There are a few orderlies also engaged for the collection of paper, etc., from the footpaths, whilst a vacuum gully cleanser is used for the emptying of street gullies.

All house refuse is incinerated after having the cinders, fine dust and unburnable material extracted therefrom. No crude refuse is tipped. The clinkers from the furnaces, the fine dust, pots and glass are all disposed of at the Reedyford Tip.

Trade refuse of all descriptions is fed by hand direct on to the conveyor belt leading to two furnaces, which are capable of burning some 35 tons per day of eight hours. The plant does not function at night or week-ends.

Mr. Nutter, the Cleansing Superintendent, informs me that during the year his Department proceeded with the scheme for abolition of ashpits. Owners of houses are requested to permit the Corporation to effect such alterations to the ashpits as will render them incapable of being used as receptacles for refuse and to pay the cost of such alteration. The Corporation undertake for each house where they effect such alteration to supply a dustbin free of charge and to maintain and renew such bin when necessary. The very good response from owners has been maintained, and about 95% of the ashpits have been converted in the area covered.

Weight of refuse received for disposal .....	(tons)	9873
,, ,, refuse collected by own vehicles .....	,,	9195
,, ,, ashpit refuse removed .....	,,	2515
,, ,, ashbin refuse removed .....	,,	4720
,, ,, trade refuse removed .....	,,	1486
,, ,, garbage removed .....	,,	474
No. of 10,000 sq. yards of streets swept (machines) .....		4557
,, gullies cleansed by Mechanical Gully Cleanser ...		13969
,, loads of gully refuse collected .....		321
,, loads of street sweepings collected (machines) ...		907
,, loads of snow collected (approx.) .....		Nil
,, applications received for opening drains, etc. ....		531



## SANITARY INSPECTIONS DURING 1935.

A summary of the work carried out under this heading is as follows :—

No. of complaints of nuisances received and investigated	93
„ premises in general inspected .....	1951
„ „ „ re-inspected .....	187
„ „ visited .....	250
„ inspections—Stables .....	90
„ „ Licensed Premises .....	28
„ „ Offensive Trades .....	35
„ „ Slaughter Houses .....	1083
„ „ Bakehouses .....	186
„ „ Re Water Supply .....	3
„ „ Meat Stalls .....	242
„ „ Workshops .....	156
„ „ Factories .....	58
„ „ Dairies and Cowsheds .....	118
„ visits—infectious diseases and contacts .....	143
„ structural defects found .....	81
„ drainage defects found .....	26
„ lack of cleanliness found .....	20
„ offensive accumulations found .....	11
„ defective waste-pipes found .....	7
„ defective waste water closets .....	18
„ defective water closets .....	11
„ defective drains found .....	30
„ defective ashpits found .....	6
„ Verbal Notices given .....	91
„ Informal Notices sent .....	51
„ Informal and Verbal Notices complied with .....	135
„ Legal Notices sent .....	2
„ Legal Notices complied with .....	2
„ Legal proceedings .....	Nil
„ Smoke observations .....	150

## SMOKE OBSERVATIONS.

Number of Smoke Observations taken during the year ...	150
Number of chimneys concerned .....	38
Time limit .....	5 minutes in 30 minutes
Number of times limit has been exceeded .....	Nil
Legal Proceedings .....	Nil

The total time the chimneys were under observation was 75 hours, and during this period the total amount of smoke emitted was:—

Black Smoke.			Moderate Smoke.			Light Smoke.			Clear.		
hrs.	min.	secs.	hrs.	min.	secs.	hrs.	min.	secs.	hrs.	min.	secs.
—	12	30	4	31	0	19	30	0	50	46	30

The average time per observation was 30 minutes, and the average result per observation—Black Smoke 0.08 minutes, Moderate Smoke 1.81 minutes, Light Smoke 7.80 minutes, Clear 20.31 minutes.

An average hour's observation, for comparison with the average hour's observation for each year from 1926, is as follows:—

		Black Smoke.	Moderate Smoke.	Light Smoke.	Clear.
		Minutes.	Minutes.	Minutes.	Minutes.
1926	.....	2.8	18.4	27.2	11.6
1927	.....	1.8	21.6	22.0	14.6
1928	.....	1.2	11.0	31.6	16.2
1929	.....	0.6	6.2	35.8	17.4
1930	.....	0.7	7.6	39.6	12.1
1931	.....	0.5	5.6	36.8	17.1
1932	.....	1.8	4.2	22.2	31.8
1933	.....	0.1	4.7	35.6	19.6
1934	.....	0.2	3.8	16.2	39.8
1935	.....	0.2	3.6	15.6	40.6

#### OFFENSIVE TRADES.

No. of offensive trades in Borough .....	Total	1
Tripe Boilers .....		1
No. of Complaints of nuisances arising from same .....	Nil	
No. of inspections .....	35	
No. of defects or nuisances found .....	Nil	

#### WORKSHOPS AND WORKPLACES.

Condition of Workshops and Workplaces .....	Fair
Returns under the Factories and Workshops Act, 1901.	

#### A.—INSPECTION OF FACTORIES, WORKSHOPS AND WORKPLACES.

Premises.	Number of inspections.	Number of written notices.	Number of prosecutions.
Factories (including Factory Laundries) .....	58	2	—
Workshops (including Workshop Laundries) .....	340	5	—
Workplaces, other than out-workers' premises .....	2	—	—
Total .....	400	7	—

## B.—DEFECTS FOUND IN FACTORIES, WORKSHOPS AND WORKPLACES.

Particulars	Number of Defects :			Number of Prosecutions
	Found	Rem- edied	Referred to H.M.I.	
Nuisances under Public Health Acts :				
Want of Cleanliness .....	5	5	...	...
,, Ventilation .....	1	1	...	...
Overcrowding .....	...	...	...	...
Want of drainage of floors ..	...	...	...	...
Other Nuisances .....	4	4	...	...
Sanitary Accommodation	Insufficient ..	...	...	...
	Unsuitable or			
	defective.....	7	7	...
	Not separate for sexes .....	...	...	...
Offences under the Factory and Workshops Act :				
Illegal occupation of underground Bakehouse .....	...	...	...	...
Breach of special sanitary require- ments for Bakehouses .....	...	...	...	...
Other Offences .....	1	1	...	...
Total.....	18	18	...	..

## C.—HOME WORK.

Nature of Work	Outworkers' Lists. Section 107.				
	Lists received from Employers.				
	Twice Yearly			Once yearly.	
	Lists	Outworkers.		Lists	Outworkers
		contracts	workmen		
Making Wearing Apparel	Nil.	Nil.	Nil.	Nil.	Nil.

## D.—REGISTERED WORKSHOPS.

(Workshops on the Register at the end of the year).

Trades	Ordinary	Domestic	Men's	Total
Bakehouses .....	64	50	10	124
Tailors .....	3	3	1	7
Dressmakers .....	8	9	...	17
Milliners .....	5	4	...	9
Shoe and Clog Makers .....	...	7	25	32
General .....	11	7	10	28
<b>Totals.....</b>	<b>91</b>	<b>80</b>	<b>46</b>	<b>217</b>



## E.—OTHER MATTERS.

CLASS.	Number
Failure to affix Abstract notified to H.M. Inspector .....	None
Matters notified by H.M. Inspector.....	8
Reports of action sent to H.M. Inspector .....	None
Other .....	None
Underground Bakehouses in use at end of year .....	None

## COMMON LODGING HOUSES.

There is no Common Lodging House in the Borough.

## SCHOOLS.

The Sanitary condition of the Schools in the Borough on the whole remains satisfactory. All are supplied with town's water. No closure of a School has been necessary during the year.

Number of Schools in Borough—Secondary .....	1
Senior .....	4
Junior Mixed .....	6
R.C. Mixed .....	3
Infants .....	10
Open Air .....	1

## CANAL BOATS ACT.

The Council are exempt from the administration of the Canal Boats Act, owing to the short length of the canal within the Boundaries.

## IV.—HOUSING.

## HOUSING STATISTICS FOR THE YEAR 1935.

Number of new houses erected during the year :

- (a) Total (including numbers given separately under (b)) 130
  - 1. By the Local Authority ..... Nil
  - 2. By other Local Authorities ..... Nil
  - 3. By other bodies or persons ..... 115
- (b) With State assistance under the Housing Acts :
  - 1. By the Local Authority (Aged Persons Houses) ..... 15
  - 2. By other bodies or persons ..... Nil
- 1. Inspection of dwelling houses during the year :
  - (1) (a) Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts) ..... 393
  - (b) Number of inspections made for the purpose ..... 485



(2) (a) Number of dwelling houses (included under sub-heading (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 .....	184
(b) Number of inspections made for the purpose .....	226
(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation .....	4
(4) Number of dwelling houses (exclusive of those referred to under the previous sub-heading) found not to be in all respects fit for human habitation ...	84
2. Remedy of defects during the year without service of formal notices :	
Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their officers .....	82
3. Action under statutory powers during the year :	
A. Proceedings under Sections 17, 18 and 23 of the Housing Act, 1930—	
1. Number of dwelling houses in respect of which notices were served requiring defects to be remedied .....	Nil
2. Number of dwelling houses which were rendered fit after service of formal notices—	
(a) By owners .....	Nil
(b) By Local Authority in default of owners .....	Nil
B. Proceedings under Public Health Acts—	
1. Number of dwelling houses in respect of which notices were served requiring defects to be remedied .....	2
2. Number of dwelling houses in which defects were remedied after service of formal notices—	
(a) By owners .....	2
(b) By Local Authority in default of owners .....	Nil
C. Proceedings under Sections 19 and 21 of the Housing Act, 1930—	
1. Number of dwelling houses in respect of which demolition orders were made .....	Nil
2. Number of dwelling houses demolished in pursuance of demolition orders .....	Nil

D. Proceedings under Section 20 of the Housing Act, 1930—

1. Number of separate tenements or underground rooms in respect of which closing orders were made ..... Nil
2. Number of separate tenements or underground rooms in respect of which closing orders were determined, the tenement or room having been rendered fit ..... Nil

The following list, kindly supplied by the Borough Surveyor, shows the number of houses erected by the Local Authority under their Housing Schemes.

Sheridan Street Site .....	13	houses
St. Paul's Road Site .....	108	„
Lynthorpe Road Site .....	50	„
Marsden Scheme B .....	100	„
„ „ C .....	19	„
„ „ D .....	50	„
„ „ E .....	70	„
„ „ F .....	100	„
„ „ H .....	50	„
„ „ J .....	44	„
Hodge House Scheme G .....	100	„
„ „ K .....	50	„
„ „ L .....	44	„
„ „ N .....	56	„
„ „ N (Extensions A & B) .....	40	„
„ „ M .....	38	„
„ „ O .....	44	„
Lee Bank Estate, Scheme P .....	23	„
Block Hall, Scheme Q .....	20	„
Pinder Street, Scheme R .....	35	„
<hr/>		
Total Completed .....	1054	houses

## HOUSING CONDITIONS.

According to the rate books there were 11,686 inhabited houses in the Borough on the 31st December, 1935. On the estimated population this would represent an average of 3.17 persons per house. There are an appreciable number of empty houses in the town, the majority of which, however, are for sale.

No investigation into overcrowding has been made during the year, but preparations are in hand for the housing survey as required by the Housing Act, 1935.

Four small areas, comprising 35 houses, have been reported upon with a view to their being scheduled as Clearance Areas, but at the end of the year the preliminary steps only had been taken.

Only a very small proportion of the houses in the Borough fall below the working class standard of dwelling houses, and this includes back-to-back houses, of which there are approximately 86. These houses are not confined to any particular area, but are scattered throughout the town in small numbers and generally constitute the houses which were erected on the old main roads, when Nelson was a country district.

There are no tent dwellers in the area, nor are there any houses let in lodgings registered as such. On the extreme outskirts of the area there are isolated caravan dwellers, but these are few in number.

**V.—INSPECTION AND SUPERVISION OF FOOD.**

## MILK SUPPLY.

At the end of the year the number of cowkeepers, dairymen, etc., on the register was as follows:—

Cowkeepers not selling milk in Nelson .....	4
Cowkeepers, milk sold wholesale .....	2
Cowkeepers and Purveyors of milk (resident) .....	25
Cowkeepers and Purveyors of Milk (non-resident) .....	39
Milk Purveyors only .....	19
Shopkeepers selling new milk .....	38

Designated milk can be obtained, though there are no premises within the Borough licensed for its production.



The number of licenses granted for designated milk was :

	Retail.	Bottling.
Certified Milk .....	2	—
Grade A (Tuberculin Tested) Milk .....	2	1
Grade A Milk .....	4	—

#### EXAMINATION OF MILK.

The following figures show the results obtained from tests carried out on informal samples of milk which have been purchased during the year for examination.

No. of samples tested for milk fat .....	293
No. of samples which gave a result below the standard	1
Average amount of Milk Fat per sample .....	3.43%
No. of samples tested for total solids .....	293
No. of samples which gave a result below the standard	Nil
Average quantity per sample total solids .....	12.08%
Average quantity per sample solids not fat .....	8.64%
No. of samples tested for visible cleanliness .....	250
No. of samples found to be not satisfactory .....	4
Percentage of samples found to be not satisfactory ...	1.6
No. of samples tested for presence of Coliform Bacilli	293
No. of samples with Coliform Bacilli present in 0.01c.c.	87
Percentage of samples with Coliform Bacilli present ...	29.7
Percentage of morning's milk with Coliform Bacilli present .....	27
Percentage of evening's milk with Coliform Bacilli present .....	46

In the case of morning's milk the test is carried out within a few hours after the milking process, whilst in the evening's samples the tests are carried out on the following day.

No. of samples tested for the presence of Tubercle Bacilli .....	51
No. of samples giving a negative result .....	46
No. of samples giving a positive result .....	5
Percentage of samples found positive .....	9.8
No. of samples tested to determine the number of bacteria per c.c. ....	293

The result of these tests combined with the test for Coliform Bacilli is as follows :—



No. of Bacteria per c.c.	Coliform Bacilli absent in .01 c.c.	Coliform Bacilli present in .01 c.c.
--------------------------	--	---

## GRADED MILK, 16 SAMPLES.

Under 5,000 .....	9	...
Over 5,000 but under 10,000...	2	...
„ 10,000 „ 20,000...	2	...
„ 20,000 „ 30,000...	1	...
„ 30,000 „ 40,000...	1	...
„ 40,000 „ 50,000...	1	...

## NON-DESIGNATED MILK. MORNING'S MILK. 221 SAMPLES.

Under 5,000 .....	...	1
Over 5,000 but under 10,000...	33	5
„ 10,000 „ 20,000...	64	18
„ 20,000 „ 30,000...	29	17
„ 30,000 „ 40,000...	13	10
„ 40,000 „ 50,000...	6	1
„ 50,000 „ 60,000...	3	1
„ 60,000 „ 70,000...	4	3
„ 70,000 „ 80,000...	4	1
„ 80,000 „ 90,000...	1	1
„ 90,000 „ 100,000...	...	1
„ 100,000 „ 125,000...	3	...
„ 125,000 „ 150,000...	...	2

## NON-DESIGNATED MILK. EVENING'S MILK.

## TESTED FOLLOWING MORNING. 56 SAMPLES.

Over 5,000 but under 10,000...	1	...
„ 10,000 „ 20,000...	1	1
„ 20,000 „ 30,000...	3	...
„ 30,000 „ 40,000...	4	1
„ 40,000 „ 50,000...	2	1
„ 50,000 „ 60,000...	1	3
„ 60,000 „ 70,000...	6	2
„ 70,000 „ 80,000...	2	2
„ 80,000 „ 90,000...	3	1
„ 90,000 „ 100,000...	2	2
„ 100,000 „ 125,000...	2	2
„ 125,000 „ 150,000...	2	3
„ 150,000 „ 175,000...	...	1
„ 175,000 „ 200,000...	...	1
„ 200,000 „ 300,000...	1	2
„ 300,000 „ 400,000...	...	1
„ 500,000 „ 600,000...	...	1
„ 800,000 „ 900,000...	...	1
„ 4,000,000 „ 5,000,000...	...	1

No. of samples of Non-Designated Milk attaining Grade "A"  
Standard at time of testing—189, equal to 68.2%.

Following each examination a report is sent to the vendor giving the result of such examination, and attention is called to any unsatisfactory result found.

Under the Food and Drugs Acts, 50 samples of milk have been taken by the County Police Authorities, all of which were found to be genuine.

Routine examination of the farm premises and a veterinary inspection of the dairy herds is made by the Veterinary Inspector, who submits the following condensed report on his inspections for the year.

#### REPORT OF THE VETERINARY INSPECTOR FOR THE BOROUGH OF NELSON.

31st December, 1935.

During the past year I have duly examined the farms and cowsheds and cattle within the Borough of Nelson. I find a total of 778 bovine animals on the farms, of which 486 are cows in milk, and the remainder, 292, are cows not in milk or young cattle being reared for dairy purposes. 17 cows have one deficient teat.

The indications are that many farmers are not able to dispose of sufficient milk to keep a full stock of dairy cattle. The cause, in my opinion, is that greater effort is being put forth by producers outside the Borough in the form of producing a higher grade sample which appeals to the purchaser, and thereby our producers are being beaten on their own doorstep.

To enable this state of affairs to be countered, the Health Committee and Medical Officer of Health, Dr. Markham, have agreed that I should make a special survey of the farmsteads and point out and press on the occupiers or owners the necessary alterations during the coming summer to bring their cowsheds and dairies up to the standard required for the production of accredited milk.

In my opinion, this being done will result in an all round benefit and in milk so classed being found a constant and equal market.

JOHN BARKER, M.R.C.V.S.,

Veterinary Inspector.

## TUBERCULOSIS ORDER.

No. of animals dealt with during the year .....	11
,, cows in milk .....	3
,, other bovine animals .....	8
,, animals which on post-mortem examination were found to have suffered from advanced Tuberculosis under the Order .....	9
,, animals found to have suffered from Tuberculosis, but not advanced .....	2
,, animals which on post-mortem examination were found not to have suffered from Tuberculosis .....	Nil
Total amount of compensation paid in respect of these 11 animals .....	£28-5-0

## MEAT, &amp;C.

## Statement of Slaughterhouses:—

	In 1920.	In Jan., 1935.	In Dec., 1935.
No. Registered .....	1	1	1
No. Licensed ... ..	12	10	10
	—	—	—
Total .....	13	11	11

1,083 visits of inspection have been paid to the slaughterhouses during the year. So far as is possible these inspections coincide with the time at which slaughtering is taking place, thus facilitating inspection of the meat.

The condition of the premises is satisfactory to a degree, taking into account the type of building used. A reasonable standard of cleanliness is maintained, but regular inspection and supervision contributes to this condition.

Under the Slaughter of Animals Act, 1933, it is compulsory, in Nelson, for all animals, including sheep, to be mechanically stunned as a preliminary to the slaughtering process.

Routine inspection is made where food is prepared and conditions found during the year have been satisfactory.

Meat stalls are also subject to routine inspection, both in regard to the condition of the stall and the quality of the meat sold.

The number of inspections carried out during the year was:—

Meat Stalls .....	242
Bakehouses, etc. ....	186



One seizure of unsound meat has taken place during the year. Part of a Tubercular carcass was found in a slaughterhouse, and the rest had been removed and was exposed for sale on a stall. The vendor was prosecuted, and a fine of £10 and costs was inflicted.

The following list shows the amount of food which has been condemned and surrendered as unfit for human consumption during 1935.

Tubercular carcasses and parts :—

14 bovine carcasses, 4 fore quarters and 2 hind quarters (including 1 carcass seized) .....	99 $\frac{1}{8}$ cwt.
44 pigs' heads .....	448 $\frac{1}{2}$ lbs.
12 pairs bovine lungs	
16 pigs' plucks	

Diseased, unsound or unwholesome meat, other than above :—

3 carcasses of pigs .....	226 lbs.
4 carcasses of sheep .....	105 lbs.
Mutton .....	9 $\frac{1}{2}$ lbs.
Pork .....	26 lbs.
7 bovine livers .....	80 lbs.
5 pigs' livers .....	39 lbs.
2 sheep livers .....	7 lbs.
2 pigs' plucks	
1 bovine head and lungs (actinomycosis)	

Other foodstuffs :—

Chilled beef .....	245 lbs.
Cod fish .....	86 lbs.
Halibut .....	65 $\frac{1}{4}$ lbs.
Haddock .....	24 $\frac{1}{2}$ lbs.

Tinned goods :—

Tongue (6lbs.) .....	2 tins
Corned beef (6lbs.) .....	1 tin
Apples (6lbs. 4ozs.) .....	1 tin

### FOOD AND DRUGS ACTS.

The various acts included under this heading are administered by the County Police Authority for this area. Superintendent Linaker has kindly supplied me with the following particulars of the samples taken by his officers during the year. All the samples were found to be genuine with the exception that the sample of sago consisted of tapioca. For the purpose of the Food and Drugs Acts the Analyst to whom the



samples have to be submitted is the County Council's Analyst at Liverpool.

Margarine .....	1
Butter .....	2
Lancashire cheese .....	2
Cheshire cheese .....	2
Wensleydale cheese .....	1
Lard .....	2
Rice .....	1
Tea .....	1
Coffee .....	1
White pepper .....	1
Ground ginger .....	1
Arrowroot .....	1
Milk .....	50
Sago .....	1
Liquorice powder .....	1
Magnesia .....	1
Flour .....	1
Boiled sweets .....	2
Brislings .....	1
Fruit salad .....	1
Fish paste .....	1
Salmon .....	1
Plum jam .....	1
Baking powder .....	1
Norwegian sild .....	1
Ground almonds .....	1
Blancmange powder .....	1
Cinnamon .....	1
Glauber salts .....	1

## VI.—PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASE.

154 notifications have been received during the year under the Infectious Diseases Notification Act. This is a decrease of 121 on the number of notifications received in 1934, and is 57 less than the average per year for the past ten years.

Compared with 1934 the increase or decrease is as follows:—

	Decrease.		Increase.
Scarlet Fever .....	102	...	—
Diphtheria .....	—	...	2
Enteric Fever .....	—	...	1

Erysipelas .....	—	...	1
Encephalitis Lethargica .....	1	...	—
Cerebro-Spinal Meningitis .....	1	...	—
Pneumonia .....	19	...	—
Ophthalmia Neonatorum .....	—	...	3
Puerperal Pyrexia .....	—	...	1
Pulmonary Tuberculosis .....	—	...	4
Non-pulmonary Tuberculosis .....	10	...	—

Analysis of the notifications shows that, with the exception of Diphtheria, there is no outstanding feature. Ward distribution, age groups and the monthly numbers point to no localised centre of infection, the cases being more or less sporadic.

In regard to Diphtheria, however, whereas only sporadic cases had occurred throughout the year up to December, in this month there did appear evidence of a more extensive outbreak. The common source of contact was a school, and a visit of inspection to the school in question revealed a missed case in attendance. This occurred shortly before the school Christmas holidays commenced. The missed case was excluded from school, contacts kept under observation, and the school disinfected. By the end of the year it was evident that the outbreak had not subsided, and that other centres of infection were involved.

The following tables show the number of cases of each notifiable disease for the past 10 years (except where the notifications have been compulsory for less than that period) and the monthly and ward analysis during 1935.

Year	Smallpox	Scarlet Fever	Enteric Fever	Puerperal Fever	Puerper'l Pyrexia	Diphtheria, incl'g Membraneous Group	Erysipelas	Ophthalmia Neonatorum	Ac. Poliomyelitis	PolioEncephalitis	Enceph. Letharg.	Cerebro-Spinal Meningitis	Pneumonia	Malaria	Dysentery	Pulmonary Tuberculosis	Tuberculosis (other forms)	Chickenpox	Total
1926	...	29	4	2	2	2	15	2	...	...	3	...	15	...	...	31	9	...	114
1927	17	64	5	...	3	14	9	1	...	...	1	...	54	...	...	30	23	43	264
1928	19	34	3	...	3	11	9	6	...	...	4	...	38	...	...	32	14	62	235
1929	...	157	2	...	4	6	25	5	...	...	...	...	47	...	...	27	24	...	297
1930	...	36	...	2	2	13	20	3	...	...	3	...	19	...	...	32	14	...	144
1931	...	124	2	...	4	7	13	4	1	...	...	...	28	...	...	42	17	...	242
1932	...	69	1	1	3	7	7	2	...	3	...	...	31	...	...	28	22	...	174
1933	...	58	...	...	3	4	16	1	...	...	...	...	77	...	...	37	15	...	211
1934	...	165	...	...	1	15	12	1	...	...	1	1	37	...	...	19	23	...	275
1935	...	63	1	...	2	17	13	4	...	...	...	...	18	...	...	23	13	...	154
Av. for 10 yrs.	3.6	79.9	1.8	.5	2.7	9.6	13.9	2.9	.1	.3	1.2	.1	36.4	...	...	30.1	17.4	...	211

## CASES OF INFECTIOUS DISEASE NOTIFIED DURING 1935.

NOTIFIABLE DISEASES.	Number of Cases Notified.													Total Deaths	Total cases removed to Hospital	Deaths in hospital of persons belonging to dist.
	At all ages	At Ages Years.														
		Under 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 35	35 to 45	45 to 65	65 and over			
Smallpox .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria (including Membraneous Group)	17	...	...	...	1	8	6	...	1	1	1	...	...	3	...	...
Erysipelas .....	13	...	...	...	...	...	...	...	4	1	5	...	3	...	...	...
Scarlet Fever .....	65	...	2	2	23	17	4	9	3	...	...	...	...	11	...	...
Typhus Fever.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever.....	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Relapsing Fever.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever .....	2	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Puerperal Pyrexia .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-Spinal Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Poliomyelitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
EncephalitisLethargica...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ophthalmia Neonatorum	4	...	...	...	...	...	...	2	13	3	4	1	...	23	...	...
Pulmonary Tuberculosis	23	...	...	...	...	...	...	...	5	1	1	...	...	2	...	...
Other forms of Tuberculosis	13	...	1	...	...	1	...	...	4	5	...	...	...	4	...	...
Pneumonia .....	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Malaria.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Polio-encephalitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals.....	154	4	...	3	3	34	28	7	38	14	15	5	...	35	11	...



## MONTHLY INCIDENCE OF NOTIFIED DISEASES.

Disease	Jan.	Feb	Mar	Apl.	May	Jun.	July	Aug.	Sep.	Oct.	Nov	Dec.	Total
Scarlet Fever.....	7	8	9	11	5	3	...	1	3	4	4	8	63
Diphtheria.....	1	2	...	...	2	1	...	1	1	...	...	9	17
Puerperal Pyrexia	1	...	...	...	...	...	...	...	...	...	...	1	2
Erysipelas .....	...	2	1	3	...	1	1	...	1	2	2	...	13
Pulmonary Tuberculosis	3	...	3	3	2	2	2	1	2	...	3	2	23
Non-Pulmonary Tuberculosis	2	1	...	1	2	3	...	2	...	...	2	...	13
Ophthalmia Neonatorum	1	...	...	1	1	1	...	...	...	...	...	...	4
Encephalitis Lethargica...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia .....	...	3	5	1	2	3	...	...	1	...	...	3	18
Enteric Fever .....	..	...	...	...	...	...	...	...	...	...	1	...	1
Totals ..	15	16	18	20	14	14	3	5	8	6	12	23	154

## WARD ANALYSIS OF NOTIFICATIONS.

Disease	Bradley	Central	Clover Hill	Marsden	Netherfield	Southfield	Walverden	Whitefield	Total
Scarlet Fever .....	12	5	13	2	9	5	12	5	63
Diphtheria .....	8	..	1	2	2	3	1	...	17
Puerperal Pyrexia .....	...	...	...	1	1	...	...	...	2
Erysipelas .....	...	1	1	...	6	1	3	1	13
Pulmonary Tuberculosis ... ..	5	1	2	...	4	5	4	2	23
Non-Pulmonary Tuberculosis ...	5	1	...	...	2	3	1	1	13
Ophthalmia Neonatorum .....	1	1	...	1	...	...	...	1	4
Encephalitis Lethargica.....	...	...	...	...	...	...	...	...	...
Pneumonia .....	4	1	1	1	2	2	2	5	18
Enteric Fever .....	...	...	...	...	...	1	...	...	1
Total.....	35	10	18	7	26	20	23	15	154

Case rate per 1,000 of population in certain diseases with the case rate for England and Wales and Sub-divisions of the Country.

Country.					121 County Boroughs and Great Towns including London.	140 Smaller Towns Populations, Census 1931. 25,000 to 50,000.		London Administrative County	
	Nelson.		England and Wales.						
Scarlet Fever..	1.70	...	2.96	...	3.19	...	2.75	...	2.64
Diphtheria ....	0.45	...	1.60	...	1.96	...	1.34	...	2.25
Enteric Fever..	0.02	...	0.04	...	0.04	...	0.06	...	0.05
Erysipelas .....	0.35	...	0.42	...	0.48	...	0.37	...	0.45
Pneumonia ....	0.48	...	1.15	...	1.36	...	0.98	...	0.89



## SMALLPOX.

No case of this disease has been reported during the year.

## SCARLET FEVER.

Cases notified .....	63
Number of Deaths .....	3
Case mortality per cent. ....	4.7
Attack Rate per 1,000 of population .....	1.70
Death Rate per 1,000 of population .....	0.08
Cases removed to Hospital .....	11
Number of cases under school age .....	6
,, cases over school age .....	16
,, cases attending school .....	41
,, houses affected (6 with 2 cases and 51 with 1 case) .....	57
Primary cases .....	59
Secondary cases .....	4
Return cases .....	Nil

## DIPHTHERIA AND MEMBRANEOUS CROUP.

Cases Notified .....	17
Number of Deaths .....	3
Case Mortality per cent. ....	17.6
Attack rate per 1,000 of population .....	0.45
Death rate per 1,000 of population .....	0.08
Cases removed to Hospital .....	Nil
No. of cases in which Anti-Diphtheria serum was injected	17
No. of Bulbs (8,000 units each) supplied free .....	92
No. of Swabs examined for diagnostic purposes .....	146
No. of cases under school age .....	1
,, over school age .....	2
,, cases attending school .....	14
,, houses affected (1 with 2 cases, 15 with 1 case) ...	16

A supply of antitoxin in Bulbs of 8,000 units is kept on hand at the Police Station, and is available for use by the medical practitioners at any time.

## ENTERIC FEVER.

No. of cases notified .....	1
„ deaths .....	Nil
Case mortality per cent. ....	Nil
Attack rate per 1,000 of population .....	0.02
Death rate per 1,000 of population .....	Nil

## ERYSIPELAS.

No. of cases notified .....	13
Attack rate per 1,000 of population .....	0.35
Facial affections .....	11
Affections on other parts of body .....	2

## PNEUMONIA.

Total number of cases of Pneumonia notified .....	18
Influenzal Pneumonia .....	1
Primary Pneumonia .....	8
Lobar Pneumonia .....	9
No. of deaths (all forms) .....	14
Attack rate per 1,000 of population on cases notified .....	0.48
Death rate per 1,000 of population .....	0.38

## OPHTHALMIA NEONATORUM.

Number of cases notified .....	4
Attack rate per 1,000 live births .....	11.3
Number of cases with vision impaired (slight) .....	1
Number of cases with vision not impaired .....	3
Number of cases receiving Hospital treatment .....	1
Number of cases receiving nursing assistance .....	3

## PUERPERAL PYREXIA.

Number of cases notified .....	2
Attack rate per 1,000 live births .....	5.66
Attack rate per 1,000 total births .....	5.34
Number of cases in which services of Consultant were requested .....	2
Number of cases receiving Hospital treatment .....	1

## OTHER DISEASES.

Indication of the prevalence or otherwise of the non-notifiable infectious cases is shown by the reports of the Health visitors, the returns of medical inspections and reports from

the School Medical Service Department. From these sources it was found that Chickenpox and Whooping Cough were prevalent during the summer months, and though not with epidemic proportions, the attendance at one or two schools was seriously depleted.

Sporadic cases of German Measles occurred with a noticeable increase towards the end of the year. At this time, however, Measles was becoming very prevalent in the reports and this suggested that an epidemic of this disease was in progress. During the year no deaths have occurred from Measles or Whooping Cough. One death from Diarrhœa, etc. (under 2 years) occurred, but this death took place outside the Borough and appeared on the inward transfer death returns for the year .

#### SCHOOL CLOSURE.

It has not been found necessary to close any of the schools during the year on account of infectious disease.

#### SCHOOLS AFFECTED (SCARLET FEVER AND DIPHTHERIA).

	Scarlet Fever.	Diphtheria.
Bradley Senior Boys .....	2 .....	1
Edge End Senior Boys .....	1 .....	1
Walverden Senior Girls .....	2 .....	1
Whitefield Senior Girls .....	— .....	1
Bradshaw Street Junior A. ....	2 .....	—
Bradshaw Street Junior B. ....	1 .....	—
Great Marsden Junior .....	1 .....	—
Leeds Road Junior .....	2 .....	3
Little Marsden Junior .....	1 .....	—
Lomeshaye Junior .....	— .....	—
Holy Saviour's Mixed .....	2 .....	—
St. George's Mixed .....	1 .....	—
St. Joseph's Mixed .....	1 .....	—
Open Air .....	1 .....	—
Bradley Infants .....	— .....	1
Bradshaw Street Infants .....	4 .....	—
Great Marsden Infants .....	— .....	2
Holy Saviour's Infants .....	— .....	—
Leeds Road Infants .....	1 .....	—
Little Marsden Infants .....	4 .....	—

St. George's Infants .....	—	.....	—
St. Joseph's Infants .....	—	.....	—
Walverden Infants .....	4	.....	4
Whitefield Infants .....	2	.....	—
Secondary .....	7	.....	—
Out of Borough .....	2	.....	—
	—		—
Total .....	41	.....	14

No reports have been made during 1935 under Section 14 (4) of the Sanitary Officers Order, 1922.

### INFLUENZA.

7 deaths occurred during the year in which Influenza was the primary cause, but these were sporadic. At no time during the year was Influenza prevalent, but there were periods when Pharyngitis and sore throats were very common.

The following table shows the number of deaths from Influenza, Pneumonia, Bronchitis and other respiratory diseases for the past five years.

Disease.	Number of Deaths.				
	1931.	1932.	1933.	1934.	1935.
Influenza .....	19	... 11	... 37	... 5	... 7
Pneumonia (all forms) .....	20	... 20	... 24	... 17	... 14
Bronchitis .....	30	... 25	... 33	... 13	... 23
Other Respiratory diseases .....	5	... 2	... 5	... 2	... 5
	—	—	—	—	—
Totals .....	74	... 58	... 99	... 37	... 49

### CONTACTS, RETURN CASES, CARRIER CASES.

No action has been necessary in regard to any of the above cases.

### SCHICK AND DICK TESTS.

These tests have not been used, nor has any method of immunisation against diphtheria or scarlet fever been applied.

### VACCINATION.

No vaccinations or re-vaccinations have been performed by the Medical Officer of Health during the year.

### PATHOLOGICAL, CHEMICAL AND BACTERIOLOGICAL EXAMINATIONS.

These are carried out at the Public Health Laboratory, 21 Carr Road. Medical practitioners are supplied with the requisite outfits for taking specimens when necessary.



## NO. OF SPECIMENS, &amp;C., SENT OR OBTAINED FOR EXAMINATION.

Swabs for Diphtheria (Positive 33, Negative 113) .....	146
Sputum for T.B. (Positive 5, Negative 42) .....	47
Hair for Ringworm .....	3
Blood, for count .....	10
Blood Smears, microscopical examinations .....	43
Blood, for Organisms by Culture .....	4
Blood, Widal reaction .....	4
Faeces .....	11
Pleural Effusions .....	5
Urine, sugar estimation .....	24
Urine, Albumen .....	85
Urine, general examination for bacteria and nature of deposit .....	93
Pus, for Gonococcus .....	25
Pus, for organisms .....	17
Cerebro-Spinal Fluid .....	10
Specimens for Malignancy, &c. ....	47
Sewage .....	36
Specimens from Animals—Smears, Tissues, &c. ....	76
Milk deposits .....	93
Milk for T.B. by inoculation .....	51
Milk, for Milk Fat, S.G. Solids, &c. ....	293
Milk, for visible cleanliness .....	250
Milk for bacterial count and B. Coli .....	293
Other specimens .....	19

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Total number of examinations or tests made in  
connection with the above ..... 4157

## DISINFECTION.

The method adopted for disinfection is (a) for bedding, clothing, etc., by means of a steam disinfecter, (b) for articles which would be damaged by steam, exposure to formaldehyde gas in a closed chamber, and (c) for rooms, formalin spray and the generation of formaldehyde gas. The steam disinfecter is situated at the Destructor Works, Charles Street.

On visiting cases of infectious disease a bottle of disinfectant fluid is left and instructions given as to its use. A form of certificate is also left with the householder for the

medical practitioner to sign when the patient has recovered, and when this certificate is returned to the Public Health Office,, arrangements are made for the necessary disinfection to be carried out.

Disinfection is compulsory in cases of Scarlet Fever, Diphtheria, Enteric Fever, Tuberculosis and Puerperal Fever. In other cases, including Measles, Pneumonia, Erysipelas, &c., disinfection is carried out if a request is made.

Fumigation of rooms and houses is also carried out in cases of verminous infestation. In addition to fumigation by sulphur dioxide, special preparations of spraying fluids are used in these cases.

Particulars of the work carried out during the year are as follows :—

No. of rooms fumigated and sprayed .....	584
,, articles of bedding disinfected (steam) .....	1729
,, articles of wearing apparel disinfected (steam) ...	355
,, miscellaneous articles disinfected (steam) .....	121
,, books, boots, etc., disinfected (formaldehyde) .....	146
,, schools fumigated and sprayed .....	2
,, public offices fumigated and sprayed .....	Nil

The Disinfecting Station is adapted for use for the cleaning of verminous persons. There has been no instance during the year of disinfestation being carried out.

#### CANCER.

No special enquiries have been made in respect of Cancer. Analysis of the deaths in Nelson during 1935 from malignant disease shows a reduction of 19 on the number of deaths in 1934. The death rate per 1,000 of population for 1935 was 1.267, the average rate for the previous five years being 1.568.

Pathological examination of specimens is made at the Public Health Laboratory, the specimens being obtained after operative treatment and examination carried out to determine the nature of the growth.

Where radium treatment is recommended the Radium Clinic at Burnley Victoria Hospital is available to patients.

The following table shows the analysis of the deaths from malignant disease according to age and the location of the disease.





## TUBERCULOSIS.

No. of cases of Pulmonary Tuberculosis notified .....	23
,, cases of other forms of Tuberculosis notified .....	13
Notifications from Sanatoria admitted .....	35
,, ,, Sanatoria discharged .....	23
No. of specimens of Sputum examined .....	47
No. Positive .....	5
No. Negative .....	42
No. of deaths from Pulmonary Tuberculosis .....	23
No. of deaths from Non-Pulmonary Tuberculosis .....	2
Death Rate per 1,000 of population—Pulmonary Tuberculosis .....	0.62
Death Rate per 1,000 of population—Non-Pulmonary Tuberculosis .....	0.054

## NEW CASES AND MORTALITY DURING 1935.

Age Period, Years	New Cases				Deaths			
	Pulmonary		Non-pulmonary		Pulmonary		Non-pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
0—1	—	—	—	—	—	—	—	—
1—5	—	—	1	—	—	—	—	—
5—10	—	—	2	—	—	—	1	—
10—15	—	—	2	1	—	—	—	—
15—20	1	1	—	—	—	—	—	—
20—25	1	5	—	2	1	3	—	—
25—35	3	4	1	2	3	5	—	—
35—45	2	1	1	—	1	1	—	—
45—55	3	—	—	—	2	4	1	—
55—65	—	1	—	1	2	—	—	—
65 and over	1	—	—	—	—	—	—	—
Totals...	11	12	7	6	9	13	2	—
	23		13		22		2	

There were two deaths from Tuberculosis in which no notification of the case was received. The ratio of non-notified deaths to the total deaths from Tuberculosis is 2 to 24.

No action has been necessary for wilful neglect or refusal to notify, notification on the whole being efficient.

The following is a list of occupations, if any, followed by patients notified during 1935:—

	Pulmonary.	Non-pulmonary.
Weavers .....	11	5
Mason .....	1	—
Winders .....	2	—
Home Duties .....	2	1
Labourers .....	4	—
Shop Assistant .....	1	1
Twister .....	1	—
Piecer .....	1	—
School Children .....	—	5
No occupation and Infants .....	—	1

#### PUBLIC HEALTH (PREVENTION OF TUBERCULOSIS) REGULATIONS.

No action has been necessary under these Regulations with reference to tuberculous employees in the milk trade.

#### PUBLIC HEALTH ACT, 1925, SECTION 62.

No action has been necessary under this section relative to the removal to hospital of patients suffering from pulmonary tuberculosis and who are without proper and suitable home accommodation.

I am indebted to Dr. MacPhee, the Consultant Tuberculosis Officer for this area, for the following report of the work carried out in Nelson, dealing with Tuberculosis during 1935.

#### PREVENTION AND TREATMENT OF TUBERCULOSIS.

The Lancashire County Council Tuberculosis Dispensary is situated at 64 Carr Road, Nelson. It is, therefore, most conveniently placed for the Borough of Nelson, and is open for insured and non-insured persons alike.

The Consultant Tuberculosis Officer is in attendance on Tuesday afternoons at 12-30 o'clock, and on Friday mornings by appointment.

#### NOTIFICATIONS OF PERSONS SUFFERING FROM TUBERCULOSIS IN THE BOROUGH OF NELSON IN 1935.

	Pulmonary.	Non-pulmonary.	Total.
Form " A " (new cases) .....	23	21	44
Number of new patients examined at the Dispensary .....	114		
Number of new patients examined at their homes .....	11		
Total .....	125		

Of the total of 125 patients, 36 were found to be suffering from Tuberculosis in one form or another, and 89 were discharged, after varying periods of observation, as non-tuberculous.

No. of re-examinations of “ old cases ” .....	290
No. of patients who received treatment in Sanatoria (“ early ” cases) .....	13
No. of patients who received treatment in Pulmonary Hospitals (advanced cases) .....	14
No. of patients who received treatment in General or Special Hospitals (surgical cases) .....	14
No. of patients who received special treatment (Artificial Pneumothrax 5, Gold treatment 4) .....	9
No. of X-ray examinations made .....	139
Details are appended of the work in Nelson of the Tuber- culosis Health Visitor, Nurse H. M. Alcock :—	
No. of primary visits to patients .....	36
No. of “ following-up ” visits to patients .....	664
<hr/>	
Total .....	700

Of the 36 patients visited by the Health Visitor for the first time, 23 were suffering from pulmonary or lung tuberculosis, and the following table indicates the condition found with regard to isolation in the home, and what was effected as a result of that visit :—

	Patients occupying separate bedroom	Patients occupying separate bed, but others sharing room	Patients occupying bed with another person
Condition in the home as regards isolation of the patients at the time of the Nurse's first visit .....	15	4	4
Condition subsequent to and as a result of the nurse's visit .....	22	1	—

During the past year in order to effect isolation, two patients required assistance under the arrangements adopted by the County Tuberculosis Committee, whereby bedsteads and mattresses are given out on loan to necessitous cases.



Bed rests, air cushions, and other nursing utensils were lent to three patients.

During 1935 in the Borough of Nelson there were under observation 83 cases of pulmonary tuberculosis, and 60 cases of tuberculosis other than pulmonary. Of the 83 pulmonary cases, 63 at some time had tubercle bacilli present in the sputum. Of the latter number, 26 are cases without symptoms or sputum, and in which the disease is quiescent; these patients have been on full work for over three years.

Since 1922 the Ministry of Health have allowed cases of tuberculosis to be written off as recovered; pulmonary cases after having been without symptoms for five years, and non-pulmonary cases after three years.

During 1935 the following number of cases were written off as recovered :—

Pulmonary.	Non-pulmonary.	Total.
1 .....	10 .....	11

#### ULTRA-VIOLET RADIATION TREATMENT.

Two Carbon-arc Lamps, one Jesionek Mercury Vapour Lamp, and one Kromayer Mercury Vapour Lamp are installed at 64 Carr Road, Nelson, for the treatment of suitable cases of non-pulmonary tuberculosis, including lupus, and during the year ended 31st December, 1935, 14 patients from Nelson received treatment.

**B. MACPHEE,**

Consultant Tuberculosis Officer.

High Lea, Whalley Road,  
Accrington.

22nd April, 1936.

#### VII.—MATERNITY AND CHILD WELFARE.

This work is carried out by the Local Authority under the supervision of the Medical Officer of Health. One part-time and two whole-time Health Visitors are employed, the work of the part-time nurse being divided between the Infant Welfare Service and the School Medical Service.

The following figures refer to the work carried out under your Maternity and Child Welfare Service. This comprises the

work of the Health Visitors, the attendance at the Infant Welfare Centre and consultations thereat, the use of the Maternity Home and the attendances at the Orthopædic Clinic so far as it affects pre-school children.

An extension of the scheme for the services of the Consultant in maternity cases has been made whereby such services are available to the medical practitioners in all cases considered necessary and not merely confined to cases in the Maternity Home.

Prior to the end of each school term girls who are eligible for leaving the senior girls schools attend the Infant Welfare Centre for a practical demonstration in mothercraft. A descriptive lecture is given by the Health Visitor and the pupils see the actual bathing of a baby together with the necessary preparations.

No. of births notified in area during the year under the Notification of Births Act, 1907:—	
Live Births .....	334
Still Births .....	19
Total .....	353
By Midwives (including Maternity Home) .....	252
By Doctors and Parents .....	101
No. of notified births, Primipara .....	169
„ „ „ Multipara .....	184
Cases of Twin Births notified .....	1
Percentage of multiple births .....	0.28%
No. of illegitimate births notified .....	6
Percentage of illegitimate births to total births notified	1.7%
Percentage of still-births to total births notified .....	5.4%
Failure to notify birth .....	Nil
No. of cases in which services of Consultant were requested .....	14
No. of cases in which nursing assistance was requested...	Nil
No. of births by Caesarean Section .....	9
Number of visits paid during the year by the Health Visitors:—	
To expectant mothers—First Visits .....	195
Total visits .....	449
To children under 1 year of age—First visits .....	332
Total visits .....	3943
To children between the ages of 1 & 5 years—no. visited	1004
Total visits	3923

Average number of visits per infant .....	11.9
Average number of visits per child .....	3.9
Average number of visits per mother .....	2.3
No. of ineffectual calls .....	863
No. of special visits made for supply of milk .....	78
No. of special visits made for assistance in Ophthalmia cases .....	4
No. of special visits made for nursing assistance in other cases .....	147
No. of cases attended by Registered Midwives practising in the area during the year:—	
As Midwives .....	19
As Maternity Nurses .....	153
No. of cases attended by other Midwives on the register, but not practising as Midwives and acting as Maternity Nurses .....	70
NOTE.—Of the 8 Midwives practising in the area, 5 are employed by the Corporation in the Maternity Home.	
No. of confinements attended by Medical Practitioners .....	333
Percentage attended by Medical Practitioners .....	94.6%
No. of Pneumonia Jackets made .....	7 pairs

#### OCCUPATION OF MOTHERS WITHIN NINE MONTHS OF CONFINEMENT.

Cotton Operatives .....	146 or 41.5%
Housewives .....	175 or 49.7%
Other occupations .....	31 or 8.8%

#### PERIOD OF TIME BETWEEN WORKING AND CONFINEMENT.

Under One Month .....	27 or 15.3%
One Month .....	24 or 13.6%
Two Months .....	35 or 19.7%
Three Months .....	31 or 17.5%
Four Months .....	15 or 8.5%
Five Months .....	17 or 9.6%
Six Months .....	12 or 6.8%
Seven Months .....	10 or 5.6%
Eight Months .....	6 or 3.4%

#### FIRST METHOD OF FEEDING INFANTS BORN DURING YEAR.

Breast	Bottle	Breast & Bottle	Spoon	Not Fed
73.3%	16.2%	7.2%	0.9%	2.4%



Continuous records have been obtained of the methods of feeding 305 infants born during the period January 31st, 1934, to February 1st, 1935, with the following results:—

Food Used	First fort- night	2—6 weeks	6—13 week	3—6 mths.	6 9 mths.	9—12 mths.
Breast.....	239	186	139	104	84	7
Breast and Cow's Milk .....	12	16	7	6	3	...
Breast and Dried Milk .....	...	3	3	4	4	...
Cow's Milk.....	43	72	117	133	148	5
Cow's Milk (Designated).....	...	3	11	14	17	1
Cow's Milk and other Prepared Foods .....	5	9	6	23	25	4
Dried Milk .....	4	12	18	18	20	...
Nestle's Milk.....	2	4	4	3	4	...
Normal Diet, 9-12 months.....	...	...	...	...	...	288

Explanations offered in certain cases for not feeding the babies (beyond the age of 3 months) on breast milk, or not continuing with same after having commenced:—

Mother's milk gradually decreased until there was none or not sufficient .....	103
Owing to Mother returning to work .....	21
Retracted Nipples .....	4
Mastitis .....	6
Discontinued on Doctors' advice .....	12
Discontinued on miscellaneous advice .....	2
Mother did not persevere .....	6
Mother ill .....	18
Tubercular Mother .....	2
Twin Babies .....	6
Babies Born at Reedyford Hospital .....	3

The Infant Welfare Centre is situated at No. 9 Carr Road, Nelson, and is open on Wednesday afternoons, from 2 p.m.

	1934.	1935.
Number of meetings held .....	46	44
Total No. of attending infants .....	374	299
„ „ „ children .....	469	460
„ „ „ expectant mothers .	58	54
	—901	—813
Total number of attendances:—	1934.	1935.
Infants .....	1616	1326
Children .....	1572	1473
Expectant Mothers .....	207	160
	—3395	—2957

Average Attendance per session :—	1934	1935
Infants .....	35.1	30.1
Children .....	34.1	33.5
Expectant Mothers .....	4.5	3.6

Average number of attendances per		
Infant .....	4.3	4.4
Child .....	3.3	3.2
Mother .....	3.5	3.9

## ATTENDANCES IN DETAIL.

	Infants.	Children, 1 to 5	Ante-natal Mothers.
One attendance .....	89	227	25
Two attendances .....	59	75	11
Three     ,,     ,, .....	34	34	5
Four     ,,     ,, .....	31	29	5
Five     ,,     ,, .....	15	12	2
Six     ,,     ,, .....	10	20	—
Seven    ,,     ,, .....	11	13	1
Eight    ,,     ,, .....	6	11	—
Nine     ,,     ,, .....	6	9	1
Ten      ,,     ,, .....	7	9	2
Eleven   ,,     ,, .....	4	2	—
Twelve   ,,     ,, .....	5	5	—
Thirteen ,,     ,, .....	5	1	—
Fourteen ,,     ,, .....	—	2	—
Fifteen   ,,     ,, .....	1	—	—
Sixteen   ,,     ,, .....	1	4	2
Seventeen     ,, .....	3	1	—
Eighteen   ,,     ,, .....	1	1	—
Nineteen   ,,     ,, .....	2	1	—
Twenty     ,,     ,, .....	1	—	—
Twenty-one   ,, .....	3	1	—
Twenty-two   ,, .....	1	—	—
Twenty-three ,, .....	1	—	—
Twenty-four   ,, .....	1	—	—
Twenty-five   ,, .....	2	—	—
Twenty-six    ,, .....	—	2	—
Thirty-four   ,, .....	—	1	—

A summary of the attendances of infants and expectant mothers from the various wards of the Borough gives the following figures:—

Bradley	Central	Clover Hill	Marsden	Netherfield
138	65	83	57	142
Southfield	Walverden	Whitefield	Out of Borough	
118	105	93	12	
No of Infants for whom consultations were requested ...				218
„ Children	„	„	„	... 245
„ consultations for Infants	.....			474
„	„	Children	.....	404
„	„	Ante-natal Mothers	.....	10
Total Consultations .....				888

No. of consultations per Infant and Child:—

			Infants.	Children.
No. requiring one consultation	.....		102	... 162
„ „ two consultations	.....		48	... 50
„ „ three consultations	.....		34	... 15
„ „ four consultations	.....		17	... 9
„ „ five consultations	.....		8	... 3
„ „ six consultations	.....		5	... 2
„ „ seven consultations	.....		1	... 2
„ „ eight consultations	.....		1	... —
„ „ nine consultations	.....		—	... 2
„ „ ten consultations	.....		1	... —
„ „ eleven consultations	.....		1	... —

#### MATERNITY HOME. •

The Maternity Home is situated in Netherfield Road, and with the present accommodation was opened on May 28th, 1921.

A reduction in the fee for admission to the Home took place during the year, the amended fee now being £2-2-0 per week for residents, and £3-3-0 per week for non-residents.

For residents the application for admission is made on a form which gives an option to the applicant, according to their financial status, to

- (a) Agree to pay the full fee in one payment,
- (b) Agree to pay the full fee by instalments,
- (c) Apply for a reduction of the fee, or
- (d) Apply for free admission.



In the two latter cases the Maternity and Child Welfare Committee consider the application and decide what fee should be paid.

The services of the Consultant have been requested on five occasions during the year at the Maternity Home, in four cases prior to confinement and in one case after confinement. In the latter case the patient was removed to Reedyford Hospital for treatment. In two of the former cases a caesarean section was recommended, this operation taking place at Reedyford Hospital.

Two Ante-natal Clinics are held at the Maternity Home per week, one an afternoon session and one an evening session. This gives an opportunity for the Matron to consult with all applicants to the Home. Any abnormal condition found by the Matron at these consultations is reported to the Medical Officer of Health and the patient advised to consult the medical practitioner with whom she has made arrangements for the confinement. Systematic examination of urine is carried out, applicants being recommended to facilitate this work being done. The average length of stay in the Home is 14 days.

Particulars of the work carried out at the Home during 1935 are :—

Total number of patients admitted to the Home from date of re-opening to 31st December, 1935 .....	2720
No. of patients admitted during year .....	171
„ „ who agree to pay full fee .....	111
„ „ „ applied for a reduction of the fee .....	60
„ „ „ were admitted at a reduced fee .....	32
„ „ „ „ free .....	24
No. of patients admitted who were not resident in the Borough .....	15
„ Births for year (alive) .....	162
„ „ „ (still-born) .....	7
„ Twin Births .....	Nil
„ Abortions .....	Nil
„ Patients for whom the services of the Consultant Practitioner were required .....	5

„ Ante-natal mothers who attended for consultations	169
„ Attendances by ante-natal mothers .....	1447
„ Ante-natal mothers advised to obtain medical advice	59
„ Ante-natal mothers who were admitted to the Home for special treatment following medical advice...	14
„ Ante-natal mothers for whom Hospital treatment was advised .....	6
„ Patients advised special home treatment .....	16

The following is a list of admissions to the Home per month for the year :—

Month	Number Admitted	Number of Births		Number of Deaths	
		Alive	Dead	Infants	Mothers
January .....	17	16	—	1	—
February .....	18	17	1	1	—
March .....	13	13	—	—	—
April .....	18	15	3	1	—
May .....	12	12	—	2	—
June .....	16	15	1	1	—
July .....	10	10	—	—	—
August .....	12	12	—	—	—
September .....	15	13	2	—	—
October .....	14	12	—	—	—
November .....	12	13	—	—	—
December .....	14	14	—	—	—
Totals .....	171	162	7	6	—

No. of patients admitted per year since re-opening :—

1921 (7 months) .....	28
1922 .....	66
1923 .....	148
1924 .....	199
1925 (11 months) .....	204
1926 .....	236
1927 .....	189
1928 .....	238
1929 .....	222
1930 .....	244
1931 .....	210
1932 .....	219
1933 .....	191
1934 .....	153
1935 .....	171

Average number of patients in residence per day throughout the year .....	6.2
Total number of patient days .....	2271

The following table gives an idea as to how the beds have been occupied throughout the year :—

On 18 days during the year more than 10 beds were occupied.

„ 23	„	„	10 beds were occupied.
„ 30	„	„	9 „ „ „
„ 38	„	„	8 „ „ „
„ 59	„	„	7 „ „ „
„ 51	„	„	6 „ „ „
„ 50	„	„	5 „ „ „
„ 49	„	„	4 „ „ „
„ 17	„	„	3 „ „ „
„ 15	„	„	2 „ „ „
„ 13	„	„	1 bed was occupied.
„ 2	„	„	there were no patients.

The following table gives the percentage of births occurring in the Maternity Home :—

No. of patients admitted to Maternity Home .....	171
No. of non-residents included in above .....	15
Percentage of total number .....	8.8%
Percentage of total number in 1934 .....	12.4%
Total births notified in Nelson including Still-Births ...	353
Total number of Births in Maternity Home .....	169
Percentage of Births in Maternity Home .....	47.9%
Percentage of Births in Maternity Home in 1934 .....	42.0%
Excluding the number of Births relating to out of Borough patients :—	
Number of Births in Maternity Home .....	154
Percentage of Births in Maternity Home .....	43.6%
Percentage of Births in Maternity Home in 1934 .....	38.8%



During the year 6 deaths have occurred in the Home, particulars regarding which are as follows :—

Date of Death	Age	Cause of Death	Length of Time in Home
MATERNAL DEATHS			
NIL.			
INFANT DEATHS			
Jan. 24	1 week	Meningitis Spina Bifida	...
Feb. 18	1 week	Meloena Neonatorum Premature Birth	...
April 22	15 mins.	Asphyxia Neonatorum	...
May 4	10 mins.	Spina Bifida	...
May 23	4 days	Intestinal Obstruction. Inperforate Anus Congenital Ab- sence of Rectum. Colo-vesical Fistula	...
June 17	1 day	Spina Bifida Prematurity	...

INCIDENCE OF MATERNAL MORTALITY, STILL-BIRTHS AND  
INFANT DEATHS.

No. of Maternal Deaths—		
Puerperal Sepsis .....		Nil
Other accidents and diseases of pregnancy and parturition .....		Nil
Total .....		Nil
Maternal death rate per 1,000 of population .....		Nil
Maternal Mortality Rate per 1,000 Live Births—		
England and Wales.		Nelson.
Puerperal Sepsis .....	1.68	Nil
Others .....	2.42	Nil
Total .....	4.10	Nil
Maternal Mortality Rate per 1,000 Total Births—		
Puerperal Sepsis .....	1.61	Nil
Others .....	2.32	Nil
Total .....	3.93	Nil

No. of deaths of infants under 1 year .....	27
„ infants born during year who died during year .....	24
„ deaths under 1 year due to prematurity, congenital defects or injury at birth .....	19

Analysis of occupation of mother and period of time of ceasing work before confinement in these 19 cases

Cause of Death	Occupation of Mother	Time of ceasing work before Confinement
Prematurity .....	Weaver .....	1 week
„ .....	„ .....	Same day
„ .....	„ .....	„
„ .....	Silk Winder .....	1 month
„ .....	Reacher-In .....	3 months
„ .....	Home Duties .....	—
	(3 cases)	
Congenital Defects .....	Silk Winder ... ..	6 weeks
„ „ .....	Home Duties... ..	—
	(8 cases)	
Injury at Birth.....	Weaver .....	3 months
„ „ .....	Home Duties .....	—
	(1 case)	

No. of infant deaths over 1 but under 2 years of age .....	3
„ „ „ 2 „ 3 „ .....	Nil
„ „ „ 3 „ 4 „ .....	Nil
„ „ „ 4 „ 5 „ .....	2

Death rate per 1,000 births, average number for four years—	
Over 1 but under 2 years of age .....	8
„ 2 „ 3 „ .....	Nil
„ 3 „ 4 „ .....	Nil
„ 4 „ 5 „ .....	5

Causes of death in these 5 cases.

Cause of Death.	Number of Deaths.			
	Over 1 but under 2 years.	Over 2 but under 3 years.	Over 3 but under 4 years.	Over 4 but under 5 years.
Pneumonia ..	1 .....	— .....	— .....	—
Bronchitis ....	1 .....	— .....	— .....	—
Septic				
Pharyngitis ..	1 .....	— .....	— .....	—
Scarlet Fever —	.....	— .....	— .....	1
Syncope Pleural				
Effusion .....	— .....	— .....	— .....	1

No. of still-births (notified) .....	19
Rate per 1,000 total births (notified) .....	54

## STILL-BIRTHS (NOTIFIED).

Occupation of Mother	Time between working and confinement	Stage of development of child in months.	Other Children.				Attended by Doctor or Midwife.	Remarks.
			Alive	Dead	Still-born	Abortion		
Weaver .....	2 wks.	7	...	...	...	...	Doctor	Albumenuria
„	3 wks.	9	...	...	...	..	„	Strangulation by umbilical cord. Dead 1 day before birth
„	3 mths.	9	...	...	...	...	„	Ill nourished.
„	4 mths.	9	...	...	...	...	„	Cause not known
„	8 mths.	9	...	...	1	1	„	Cause not known
„	3 mths.	9½	...	...	...	...	„	Macerated. Baby been dead 6 weeks
„								Post mature. Malpresentation. Strangulation by umbilical cord
Winder .....	2 mths.	9	...	...	...	...	„	Head sutures very wide. Baby been dead a few days. Spina Bifida,
Chain Beamer...	5 mths.	9	...	...	...	...	„	Macerated
Home Duties ...		7	1	...	...	...	„	Heavy lifting beforeh'd
„		8	...	...	...	...	„	Cause not known
„		9	...	1	...	...	„	Hydrocephalus
„		9	...	...	...	...	„	Strangulation by umbilical cord. Dead 2 days before birth

## DIED DURING BIRTH (NOTIFIED).

Occupation of Mother	Time between working and confinement	Stage of development of child in months	Other Children.				Attended by Doctor or Midwife.	Remarks
			Alive	Dead	Still-born	Abortion		
Weaver .....	3 mths	9	...	...	...	...	Doctor	Complicated Delivery
Teacher .....	4 mths.	9	...	...	...	...	„	Complicated Delivery
Home Duties ...		9	...	...	...	...	„	Delayed Labour
„		9	...	...	...	...	„	Umbilical cord too short
„		9	...	...	...	...	„	Complicated Delivery
„		9	...	...	...	...	„	Induction. Difficult
„		9	...	...	...	...	„	Forceps Delivery.
„		9	...	...	...	...	„	Cerebral injuries.
„		9	...	...	...	...	„	Difficult Labour
„		9	...	...	...	...	„	Delayed Labour

No scheme is in operation for dealing with unmarried mothers, illegitimate children, or children permanently or temporarily deprived of a home with their own parents.



## ORTHOPÆDIC CLINIC.

The Orthopædic Clinic is held weekly on Fridays at the School Clinic in Carr Road. The scheme is run in conjunction with the Local Education Committee, the Lancashire County Council and the Colne Local Authority.

The following figures refer to the children who have been in attendance following a recommendation from the Infant Welfare Centre.

No. of times Clinic was open during year .....	36
„ infants who attended during year .....	36
„ attendances made by these infants .....	92
„ infants under treatment at Biddulph, 31st December, 1934 .....	Nil
„ infants sent to Biddulph Hospital .....	Nil
„ „ discharged from Biddulph .....	Nil
„ „ under treatment at Biddulph, 31st December, 1935 .....	Nil

The number of new cases admitted to the Clinic per month during the year is:—

No. of new cases in January .....	3
February .....	1
March .....	4
April .....	3
May .....	—
June .....	4
July .....	—
August .....	—
September .....	1
October .....	—
November .....	3
December .....	2

No. of cases who have attained school age during the year and been transferred into the School Medical Service Section .....	15
--	----

The defects necessitating orthopædic treatment in the 21 children who have been admitted during the year are:—

Generalised rickets .....	—
Defects of the hip .....	1
Defects of the lower limbs .....	20

Defects of the upper limbs .....	—
Defects of the spine .....	—
Other defects .....	—

#### DETAILS OF ATTENDANCES AT ORTHOPÆDIC CLINIC.

Attendances.		Children.
One attendance .....		18
Two attendances .....		7
Three       ,, .....		3
Four        ,, .....		4
Five        ,, .....		1
Seven       ,, .....		1
Eleven      ,, .....		1
Twelve     ,, .....		1

#### OPHTHALMIA NEONATORUM.

Attack Rate per 1,000 live births ..... 11.3

Cases			Vision unimpaired	Vision impaired (slight)	Total blindness	Deaths
Notified 1935	Treated					
	Home	Hospital				
4	2	2	3	1	...	Nil

#### PUERPERAL FEVER.

No. of cases reported .....	Nil
No. of deaths .....	Nil
Attack Rate per 1,000 Total Births .....	Nil
Attack Rate per 1,000 Total Births (England and Wales)...	3.60
,,       ,,       ,,       ,,       121 County Boroughs...	4.55
,,       ,,       ,,       ,,       140 Smaller Towns.....	2.76
,,       ,,       ,,       ,,       London .....	4.32

#### PUERPERAL PYREXIA.

No. of cases reported .....	2
No. of deaths .....	Nil
No. of cases in which second opinion was requested .....	2
No. of cases in which bacteriological examination was requested .....	Nil
No. of cases in which removal to Hospital was requested ...	1

No. of cases in which services of a trained nurse were requested .....	Nil
No. of cases in residence at Fern Lea .....	Nil
Attack Rate per 1,000 total births .....	5.34
Attack Rate per 1,000 total births (England and Wales) ...	9.44
„ 121 County Boroughs ...	11.14
„ 140 Smaller Towns ...	8.25
„ London ...	11.89

#### CONCLUSION.

In the compilation of this report I am indebted to the following officials, who have supplied me with particulars relating to work that comes under their supervision.

Mr. F. V. Alexander, Borough Surveyor.

Mr. A. Boothman, Borough Water Engineer.

Mr. H. Graham, Borough Treasurer.

Dr. J. J. Butterworth, County Medical Officer of Health.

Supt. H. Linaker, Lancashire County Constabulary.

Dr. B. MacPhee, Consultant Tuberculosis Officer.

Mr. J. T. Nutter, Director of Public Cleansing.

The work of the Public Health Department has been intensified during the year, the outbreak of food poisoning and the preparation for the housing survey being instances in which extra duties were entailed. I have however received on all occasions the willing co-operation of the members of the staff and each one has rendered efficient service. All matters have received careful and full attention, and though work has been necessary outside specified working hours, including both week-ends and holidays, I am fortunate in having members of the staff who take interest in the work and are prepared to make sacrifices in order that such work shall be carried out to your satisfaction.

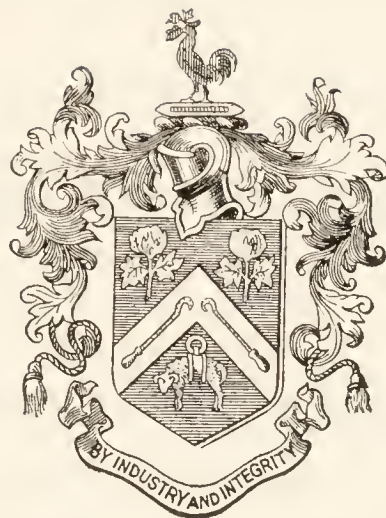
I am, Ladies and Gentlemen,

Your obedient Servant,

**R. G. MARKHAM, M.B., D.P.H.,**  
Medical Officer of Health.







Borough of Nelson.

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Annual Report  
of the  
School Medical Officer  
For 1935.

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R. G. MARKHAM, M.B., D.P.H.,  
School Medical Officer.

# BOROUGH OF NELSON.

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## School Medical Service Sub-Committee.

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ALDERMAN A. SMITH, Chairman.

THE MAYOR (Alderman C. Smithson).

ALDERMAN E. BOOTHMAN

„ J. A. HELLIWELL

„ R. WINTERBOTTOM

COUNCILLOR R. BLAND

„ F. CORK

„ H. DEWHURST

„ J. WIDDUP

MRS. S. J. COOPER




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## Officers and Staff of the School Medical Service Department.

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School Medical Officer ..... R. G. MARKHAM, M.B., D.P.H.

Dentist ..... MR. THOMAS JACKSON, L.D.S.

Nurses ..... MISS E. SIMPSON, MRS. E. A. SAVILLE-SMITH\*  
AND MISS L. P. SPARKES

Senior Clerk ..... A. WILDMAN\*

Junior Clerk ..... N. GRIFFITHS

Organising Secretary for Education ..... MR. JAS. SKINNER

\* Part Time.

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School Clinic, 11 Carr Road.



## List of Schools in the Borough.

Secondary Day School ..... Oxford Road

### SENIOR.

	Accommodation.	Average No. on Rolls December, 1935.	
		Total.	Under 5.
Bradley Boys C. ....	320 ...	217	...
Edge End Boys C. ....	480 ...	372	...
Walverden Girls C. ....	480 ...	331	...
Whitefield Girls C. ....	320 ...	207	...

### JUNIOR MIXED.

Bradshaw Street C. (A) .....	400 ...	234	...
Bradshaw Street C. (B) .....	350 ...	290	...
Great Marsden C. of E. ....	260 ...	261	...
Leeds Road C. of E. ....	200 ...	200	...
Little Marsden C. of E. ....	135 ...	76	...
Lomeshaye C. ....	200 ...	161	...

### R.C. MIXED.

Holy Saviour .....	210 ...	145	...
St. George's .....	88 ...	84	...
St. Joseph's .....	210 ...	87	...
Open Air C. ....	120 ...	119	...

### INFANTS.

Bradley C. ....	250 ...	182	...
Bradshaw Street C. ....	350 ...	238	...
Great Marsden C. of E. ....	120 ...	132	...
Holy Saviour R.C. ....	95 ...	69	...
Leeds Road C. of E. ....	100 ...	59	...
Little Marsden C. of E. ....	65 ...	67	...
St. George's R.C. ....	92 ...	40	...
St. Joseph's R.C. ....	150 ...	57	...
Walverden C. ....	250 ...	174	...
Whitefield C. ....	300 ...	203	...

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Totals ..... 5545 ... 4005 ... 249

NELSON,  
APRIL, 1936.

**To the Chairman and Members of the Nelson Education Committee.**

LADIES AND GENTLEMEN,

I have pleasure in submitting a report of the work of the School Medical Services Department during the year ended 31st December, 1935.

There have been no changes in the arrangements for carrying out the various duties.

The work has proceeded during the year on similar lines to previous years, no exceptional circumstances have arisen, and a study of the various figures and comparisons shows no outstanding features. I am again therefore confining the report to statements of each branch of the work and submitting the relative figures.

Medical Inspection of the school children is dealt with in three categories, i.e., the Routine Inspections, the Special Inspections, and the Re-inspections.

Treatment of defects so far as carried out under the Authority's scheme, is dealt with in the work of the School Clinic, the Orthopædic Clinic and to a certain extent the Open Air School and the Convalescent Home.

One portion of the School Nurses' work is shown in home visiting, the following up of the Medical Inspections and the examination of the school children for personal cleanliness.

General matters dealt with are, the provision of milk to school children, the provision of meals for necessitous children, the use of the swimming baths as part of the school curriculum, the prevalence of infectious diseases amongst school children, and classification of all exceptional school children in the area from a medical standpoint.

**ROUTINE INSPECTIONS.**

The number of children inspected at the Routine Inspections during the year was 446 in the Entrants group, 496 in the second age group (i.e., 8 years of age), and 477 in the third age group (i.e., children of 12 years of age).

The inspection revealed that in the entrants group 139 children required treatment, in the second age group 171 required treatment, and in the third age group there were 95 children requiring treatment.

The percentage of children requiring treatment is shown in the following table, which also gives the corresponding figures for the three previous years. This shows a slight increase for 1935, more particularly in the second age group, the chief cause of which was the prevalence of pharyngitis, and an increase in the number of cases of defective vision.

	1932.		1933.		1934.		1935.
Entrants .....	23.0	...	24.0	...	29.1	...	31.17
Second Age Group...	29.0	...	28.6	...	29.8	...	34.48
Third Age Group ...	19.3	...	21.8	...	22.4	...	19.92
Total Code Groups...	24.2	...	24.4	...	26.9	...	28.54

The following table shows a summarised analysis of the defects found in the course of the Routine Inspection, which required treatment or to be kept under observation. From this table it will be seen that Diseases of the Nose and Throat and Defective Vision form approximately 50% of the defects found.

	Requiring treatment.	Requiring observation, but not requiring treatment.
Defect or Disease of the Skin .....	13	—
Defect or Disease of the Eye .....	11	4
Defective Vision, including Squint .....	124	1
Defective Hearing .....	3	2
Disease of the Ear .....	12	—
Disease of the Nose and Throat .....	134	11
Defective Speech .....	—	7
Enlarged Cervical Glands (Non-Tuberculous)	28	7
Defect or Disease of the Heart & Circulation	13	15
Defect or Disease of Lungs (Non-Tuberculous)	22	19
Defect or Disease of Nervous System .....	10	14
Tuberculosis (definite or suspected) .....	—	2
Deformities .....	24	19
Other Defects and Diseases .....	24	19
	<hr/>	<hr/>
Total.....	418	120

For comparative purposes the following series of tables have been prepared, showing the results of the Routine Inspections for the years 1925 to 1935, in terms of the defects found requiring treatment or observation per 1,000 children inspected. An average is given for ten years with which can be compared each individual year's figures.



DEFECTS FOUND DURING ROUTINE INSPECTIONS CALCULATED PER 1,000 SCHOOL CHILDREN INSPECTED.

T = Treatment.      O = Observation.

Year	Malnutrition			Ringworm Scalp.			Ringworm Body.			Scabies			Impetigo			Other Skin Diseases Non-Tubercular		
	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.
1925	...	1.98	1.98	...	...	...	...	...	...	...	...	...	1.98	0.49	2.47	5.94	5.44	11.38
1926	...	6.52	6.52	1.45	0.72	2.17	0.72	...	0.72	...	...	...	4.35	...	4.35	7.25	14.50	21.75
1927	...	4.92	4.92	0.70	...	0.70	...	...	...	...	...	...	6.33	...	6.33	8.44	7.03	15.48
1928	6.87	1.87	8.75	14.37	...	14.37	...	...	...	...	...	...	6.87	...	6.87	7.50	3.75	11.25
1929	2.19	2.19	4.39	0.73	...	0.73	...	...	...	...	...	...	2.19	...	2.19	3.66	3.66	7.32
1930	4.34	2.61	6.95	...	...	...	2.61	0.87	3.47	...	...	...	4.34	...	4.34	15.65	3.47	19.13
1931	0.75	3.00	3.75	...	...	...	...	...	...	...	...	...	1.50	...	1.50	9.01	2.25	11.26
1932	0.67	2.68	3.35	0.67	...	0.67	1.34	...	1.34	0.67	...	0.67	0.67	...	0.67	11.41	0.67	12.08
1933	0.73	1.45	2.18	...	...	...	...	...	...	2.92	...	2.92	...	...	...	10.94	0.73	11.67
1934	4.45	2.96	7.42	...	...	...	...	...	...	...	...	...	3.71	...	3.71	8.16	0.74	8.90
Average for 10 yrs	2.00	3.02	5.02	1.79	0.07	1.86	0.47	0.08	0.55	0.36	...	...	3.19	0.05	3.24	8.79	4.22	13.02
1935	3.52	2.11	5.63	...	...	...	...	...	...	0.70	...	0.70	1.41	...	1.41	7.05	...	7.05



Year	Blepharitis			Conjunctivitis			Keratitis			Corneal Opacities			Defective Vision excluding Squint			Squint		
	T	O	T and O	T	O	T and O	T	O	T and O	T	O	T and O	T	O	T and O	T	O	T and O
1925	3.46	...	3.46	0.49	...	0.49	...	...	...	...	...	...	78.21	51.98	130.19	2.47	3.96	6.43
1926	1.45	...	1.45	2.17	...	2.17	...	...	...	0.72	1.45	2.17	102.24	8.70	110.95	2.89	5.07	7.97
1927	0.70	2.80	3.51	0.70	...	0.70	...	...	...	0.70	0.70	1.40	109.78	0.70	110.48	6.33	1.40	7.73
1928	3.75	...	3.75	2.50	...	2.50	...	...	...	0.62	...	0.62	93.75	...	93.75	6.25	1.87	8.12
1929	...	...	...	1.46	...	1.46	...	...	...	0.73	0.73	1.46	101.02	2.92	103.95	4.39	1.46	5.85
1930	...	...	...	2.61	...	2.61	...	...	...	1.74	0.87	2.61	77.39	...	77.39	2.61	0.87	3.47
1931	2.25	0.75	3.00	1.50	...	1.50	0.75	...	0.75	0.75	...	0.75	125.47	0.75	126.22	3.75	1.50	5.26
1932	1.34	...	1.34	...	...	...	...	...	...	0.67	0.67	1.34	86.57	...	86.57	2.68	0.67	3.35
1933	1.45	0.73	2.18	0.73	...	0.73	...	...	...	0.73	...	0.73	68.61	0.73	69.34	8.03	...	8.03
1934	1.48	...	1.48	2.22	...	2.22	...	...	...	...	...	...	69.73	1.48	71.21	2.96	2.22	5.19
Average for 10 yrs	1.59	0.43	2.02	1.44	...	1.44	0.07	...	0.07	0.66	0.44	1.10	91.27	6.72	98.00	4.24	1.90	6.14
1935	1.41	...	1.41	2.12	0.70	2.82	...	...	...	1.41	0.70	2.12	84.56	...	84.56	0.70	0.70	1.41

Year	Other Eye Conditions			Defective Hearing			Otitis Media			Other Ear Diseases			Enlarged Tonsils only			Adenoids only		
	T	O	T and O	T	O	T and O	T	O	T and O	T	O	T and O	T	O	T and O	T	O	T and O
1925	1.48	...	1.48	4.95	9.40	14.35	5.44	1.98	7.42	4.95	0.99	5.94	51.98	18.31	70.29	1.98	2.97	4.95
1926	1.45	...	1.45	16.67	3.62	20.30	3.62	0.72	4.35	0.72	0.72	1.45	38.43	27.55	65.98	5.80	3.62	9.42
1927	1.40	...	1.40	5.63	1.40	7.03	...	...	...	1.40	1.40	2.80	43.63	11.96	55.59	9.85	2.80	12.66
1928	2.50	1.25	3.75	8.75	1.25	10.00	0.62	...	0.62	6.25	...	6.25	40.00	5.00	45.00	8.12	1.87	10.00
1929	1.46	3.66	5.12	5.12	1.46	6.58	2.19	...	2.19	8.78	0.73	9.51	45.38	11.71	57.10	1.46	1.46	2.92
1930	2.61	...	2.61	7.82	...	7.82	2.61	0.87	3.47	5.21	0.87	6.08	53.91	6.95	60.87	6.08	0.87	6.95
1931	0.75	2.25	3.00	4.50	...	4.50	3.00	...	3.00	6.76	0.75	7.51	46.58	4.50	51.09	6.76	2.25	9.01
1932	1.34	2.01	3.35	6.71	2.68	9.39	5.36	...	5.36	6.04	1.34	7.38	56.37	6.04	62.41	2.01	0.67	2.68
1933	2.19	2.19	4.38	2.92	...	2.92	5.84	...	5.84	6.56	...	6.56	43.06	5.84	48.90	1.45	...	1.45
1934	0.74	1.48	2.22	6.67	2.96	9.64	3.71	0.74	4.45	3.71	0.74	4.45	14.09	...	14.09	6.67	1.48	8.16
Average for 10 yrs	1.59	1.28	2.87	6.97	2.28	9.25	3.24	0.43	3.67	5.04	0.75	5.79	43.34	9.79	53.13	5.02	1.80	6.82
1935	2.82	1.41	4.23	2.12	1.41	3.52	4.23	...	4.23	4.23	...	4.23	33.94	0.70	34.64	2.12	0.70	2.82

Year	Enlarged Tonsils and Adenoids			Other Conditions Nose and Throat			Enlarged Cervical Glands (Non-Tubercular)			Defective Speech			Organic Heart Disease			Functional Heart Disease		
	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.
1925	8.41	3.46	11.88	41.08	24.75	65.84	21.28	18.81	40.09	1.98	0.49	2.47	8.91	...	8.91	9.40	0.99	10.59
1926	6.52	2.89	9.42	15.22	12.32	27.55	8.70	9.42	18.12	2.17	2.17	4.35	0.72	3.62	4.35	...	7.97	7.97
1927	5.63	0.70	6.33	22.51	10.55	33.07	31.66	21.11	52.78	0.70	0.70	1.40	...	5.63	5.63	...	8.44	8.44
1928	5.00	...	5.00	38.12	10.62	48.75	16.25	...	16.25	1.25	1.87	3.13	...	3.13	3.13	0.62	3.75	4.37
1929	7.32	2.19	9.51	25.62	13.17	38.80	10.25	9.51	19.76	2.92	2.19	5.12	...	2.92	2.92	0.73	6.58	7.32
1930	5.21	...	5.21	36.52	8.69	45.21	8.69	3.47	12.17	1.74	1.74	3.47	1.74	3.47	5.21	1.74	6.95	8.69
1931	4.50	...	4.50	44.40	5.26	49.66	4.50	4.50	9.01	3.00	3.00	6.01	0.75	1.50	2.25	...	7.51	7.51
1932	...	...	...	28.85	2.01	30.86	14.09	8.72	22.81	...	4.70	4.70	...	2.01	2.01	...	3.35	3.35
1933	1.45	...	1.45	34.30	3.65	37.95	16.05	10.21	26.26	0.73	2.92	3.65	0.73	2.19	2.92	...	5.84	5.84
1934	5.19	...	5.19	69.73	11.87	81.60	22.99	8.16	31.15	...	2.96	2.96	...	2.22	2.22	...	5.93	5.93
Average for 10 yrs	4.92	0.92	5.84	35.64	10.29	45.93	15.44	9.40	24.84	1.45	2.27	3.72	1.28	2.67	3.95	1.25	5.73	6.98
1935	6.34	...	6.34	50.03	6.34	56.37	19.73	4.93	24.66	...	4.93	4.93	...	2.12	2.12	...	3.52	3.52

Year	Anæmia			Bronchitis			Other Non-Tuberculous Diseases of Lungs			Pulmonary Tuberculosis Definite			Pulmonary Tuberculosis Suspected			Non-Pulmonary Tuberculosis Glands		
	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T.	T.	O.	T. and O.
1925	1.48	0.99	2.47	0.99	3.96	4.95	6.43	35.64	42.07	...	...	...	...	...	...	...	...	...
1926	0.72	2.17	2.89	3.62	4.35	7.97	1.45	31.18	32.63	...	...	...	...	...	0.72	0.72	1.45	1.45
1927	0.70	4.92	5.63	2.80	14.07	16.88	5.63	20.40	26.03	...	...	...	1.40	1.40	0.70	...	0.70	0.70
1928	12.50	1.87	14.37	6.87	2.50	9.37	12.50	22.50	35.00	...	...	...	...	...	0.62	0.62	1.25	1.25
1929	5.85	2.92	8.78	8.78	8.05	16.83	12.44	22.69	35.13	...	...	...	0.73	0.73	0.73	...	0.73	0.73
1930	7.82	1.74	9.56	6.95	4.34	11.30	7.82	7.82	15.65	...	...	...	...	...	...	...	...	...
1931	3.00	6.01	9.01	7.51	6.01	13.52	5.26	12.02	17.28	...	...	...	...	...	1.50	...	1.50	1.50
1932	6.04	0.67	6.71	8.72	3.35	12.07	2.68	6.71	9.39	...	...	...	...	...	2.01	1.34	3.35	3.35
1933	12.40	4.38	16.78	10.21	3.65	13.86	5.84	10.94	16.78	...	...	...	...	...	...	1.45	1.45	1.45
1934	12.61	0.74	13.35	11.13	8.16	19.28	6.67	9.64	16.32	...	...	...	...	...	...	...	...	...
Average for 10 yrs	6.31	2.64	8.95	6.76	5.84	12.60	6.67	17.95	24.62	...	...	...	0.21	0.21	0.63	0.41	1.04	1.04
1935	9.16	4.93	14.09	9.86	6.34	16.20	5.63	7.05	12.68	...	...	...	...	...	...	0.70	0.70	0.70



[illegible]

Year	Chorea			Other Conditions Nervous System			Rickets			Spinal Curvature			Other Forms Deformities			Other Defects and Diseases		
	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.
1925	...	0·49	0·49	1·98	4·95	6·93	0·49	4·46	4·95	...	4·95	4·95	3·46	9·90	13·36	4·46	24·25	28·71
1926	...	1·45	1·45	...	5·80	5·80	...	3·62	3·62	0·72	1·45	2·17	2·17	13·77	15·95	1·45	20·30	21·75
1927	...	0·70	0·70	1·40	6·33	7·73	...	3·51	3·51	0·70	0·70	1·40	6·33	9·85	16·18	34·48	27·44	61·92
1928	0·62	1·25	1·87	7·50	6·25	13·75	1·87	1·25	3·13	5·00	1·87	6·87	5·00	5·62	10·62	88·12	13·75	101·87
1929	0·73	0·73	1·46	3·66	8·78	12·44	2·92	...	2·92	4·39	...	4·39	8·78	13·90	22·69	19·03	16·83	35·87
1930	1·74	...	1·74	6·08	14·78	20·87	...	...	...	1·74	0·87	2·61	13·91	4·34	18·26	24·35	13·91	38·26
1931	2·25	0·75	3·00	6·01	11·26	17·28	0·75	0·75	1·50	0·75	0·75	1·50	9·01	9·01	18·02	22·54	15·02	37·56
1932	1·34	0·67	2·01	6·71	12·08	18·79	1·34	0·67	2·01	5·36	...	5·36	8·72	9·39	18·11	20·80	15·43	36·23
1933	2·19	...	2·19	5·11	10·94	16·05	...	0·73	0·73	1·45	2·19	3·64	3·65	4·38	8·03	16·05	18·24	34·29
1934	1·48	...	1·48	5·19	10·38	15·58	...	0·74	0·74	3·71	3·71	7·42	8·16	14·09	22·25	14·09	8·90	22·99
Average for 10 yrs	1·03	0·60	1·63	4·36	9·16	13·52	0·74	1·57	2·31	2·38	1·65	4·03	6·92	9·43	16·35	24·54	17·41	41·95
1935	1·41	2·12	3·53	5·63	7·75	13·38	2·12	...	2·12	7·75	0·70	8·45	7·05	12·68	19·73	16·91	13·39	30·30

## SPECIAL INSPECTIONS.

Special Inspections include :—

- A. Children brought forward by the Head Teacher at the school at the time of my Routine Inspection.
- B. Children brought to the Clinic by parents, or sent direct from school to the Clinic.
- C. Children inspected for a particular object, i.e., admission to Open Air School, visit to Convalescent Home, or suitability for part time employment.

The following table shows a summary of the defects found as a result of these inspections, the total number of children inspected being 1,173.

	Requiring treatment.	Requiring observation, but not requiring treatment.
Defect or Disease of the Skin .....	147	2
Defect or Disease of the Eye .....	19	—
Defective Vision, including Squint .....	1	3
Defective Hearing .....	6	1
Diseases of the Ear .....	12	—
Diseases of the Nose and Throat .....	121	15
Defective Speech .....	—	1
Enlarged Cervical Glands (Non-Tuberculous)	43	3
Defect or Disease of Heart and Circulation ...	60	12
Defect or Disease of Lungs (Non-Tuberculous)	55	12
Defect or Disease of Nervous System .....	46	12
Tuberculosis (definite or suspected) .....	—	1
Deformities .....	12	3
Other Defects and Diseases .....	178	35
Total .....	700	100

A summary of the total defects found during the year as a result of routine and special inspections is shown in the next table. This also shows the total defects for the previous year and for comparative purposes each group of defects is shown as a percentage of the total defects.

DEFECT OR DISEASE	1935				1934	
	Total number found requiring treatment	Per-cent-age	Total number found requiring observation	Per-cent-age	Total number found requiring treatment or observation	Per-cent-age
Defect or Disease of the Skin .....	160	14·31	2	0·91	162	12·11
" " " Eye.....	30	2·68	4	1·82	34	2·54
Defective Vision, including Squint ...	125	11·18	4	1·82	129	9·64
Defective Hearing .....	9	0·80	3	1·36	12	0·90
Disease of the Ear .....	24	2·15	—	—	24	1·79
" " " Nose and Throat .....	255	22·81	26	11·82	281	21·01
Defective Speech .....	—	—	8	3·63	8	0·60
Enlarged Cervical Glands (Non-Tuberculous) .....	71	6·35	10	4·55	81	6·05
Defect or Disease of the Heart and Circulation .....	73	6·53	27	12·27	100	7·47
Defect or Disease of the Lungs (Non-Tuberculous) .....	77	6·89	31	14·09	108	8·07
Defect or Disease of Nervous System.	56	5·01	26	11·82	82	6·13
Tuberculosis (definite or suspected)...	—	—	3	1·36	3	0·22
Deformities .....	36	3·22	22	10·00	58	4·33
Other Defects and Diseases .....	202	18·07	54	24·55	256	19·14
Total.....	1118	100·00	220	100·00	1338	100·0
					1381	100·00



### RE-INSPECTIONS.

These are carried out either at the schools or at the Clinic, and comprise the inspection of all children who have at previous inspections been found to require either treatment or observation. In addition, all my periodic inspections of the children at the Open Air School are recorded as re-inspections.

A total of 1714 re-inspections have been carried out during the year. The record of the re-inspections so far as they relate to the defects found in the course of the previous year's routine inspections show that of 1381 defects found, 916 or 66.3% had been cured, 317 or 23.0% were improved, and 148 or 10.7% were either unchanged or had not been seen, due to the child not being in attendance at the school.

# RE-EXAMINATION SUMMARY.

Defect or Disease.	Number found in 1934.		Result of Re-inspection, 1935.		
	Referred for Treatment	Referred for Observation	Cured	Improved	Unchanged or absent or left school
Malnutrition .....	6	5	3	5	3
Defect or Disease of Skin .....	132	1	120	9	4
Defect or Disease of Eye .....	33	3	29	5	2
Defective Vision and Squint .....	108	9	94	19	4
Defect or Disease of Ear .....	37	2	31	5	3
Defective Hearing .....	18	4	17	3	2
Defect or Disease of Nose and Throat .....	277	20	222	46	29
Enlarged Cervical Glands (Non Tuberculous) .....	86	11	57	22	18
Defective Speech .....	2	4	1	4	1
Defect or Disease of Heart and Circulation .....	77	29	37	52	17
Defect or Disease of Lungs (Non Tuberculous) ...	82	31	53	39	21
Tuberculosis (Definite or Suspected) .....	—	2	—	2	—
Defect or Disease of Nervous System .....	76	24	53	35	12
Deformities .....	29	29	8	34	16
Other Defects or Diseases .....	203	41	191	37	16
Totals .....	1166	215	916	317	148

### FOLLOWING UP MEDICAL INSPECTIONS.

This work is carried out by the School Nurses, with a view to ensuring that the parents are made aware of defects found during the course of the medical inspections, and also the treatment required for dealing with such defects. Subsequent visits give an indication as to whether the advice given is being carried out, and what progress the child is making towards recovery. The children are seen either at school or at the Clinic, but the work entails many visits to the homes of the children.

It was shown as a result of the following up that whereas 1375 defects had been found in the 1935 medical inspections, by the end of the year 48.4% had been cured, 34.2% were improving, and 17.4% showed little change.

### HOME VISITING.

1,115 visits to the homes of the children have been made by the School Nurses. Visits are necessitated in following up the Medical Inspections, and also when examination of the children for personal cleanliness reveals an unsatisfactory condition. In these latter cases, in giving advice on the cleanliness, the home conditions have to be taken into consideration.

### EXAMINATION OF CHILDREN AS REGARDS CLEANLINESS.

85 surprise visits have been paid to the schools, and 13,957 examinations carried out by the School Nurses. 3,922 children have been examined, and of these 3,634 were found to be satisfactory. This latter number comprises 2,016 boys and 1,618 girls, and represents 98.4% of the total boys and 86.4% of the total girls examined. The corresponding figures for the previous year were 98.6% of the boys and 90.3% of the girls who were found to be satisfactory.

The following figures show a summary of the children who were found in a more or less unsatisfactory condition, and for comparison the figures for the previous year are given.

		Percentage of children examined found to have					
		Few Nits		Many Nits		Pediculi	
		Boys	Girls	Boys	Girls	Boys	Girls
1935 .....		0.04	1.3	0.7	10.1	0.8	2.2
1934 .....		0.1	1.3	1.0	7.0	0.3	1.4

16 cases of Scabies have been found in the course of the medical inspections, and 23 cases have been under treatment

at the School Clinic. This is a slight increase on the previous year when 12 cases were found and 16 cases treated at the Clinic. In most of these cases family contact is found to be the cause of the spread of the disease, and therefore in addition to the treatment given at the Clinic, there is co-ordination with the Public Health Department for assistance in stamping out the disease.

#### TREATMENT OF DEFECTS.

The facilities available under the Authority's scheme at the School Clinic include the treatment of:—

- (a) Minor eye defects.
- (b) Minor ear defects.
- (c) Minor skin diseases.
- (d) Slight defects of the nose and throat.
- (e) Minor injuries, bruises, etc.
- (f) Crippling defects.
- (g) Defective vision, including refractions and the provision of spectacles.

In cases of defects other than those enumerated above, parents of the children are always advised to call in their own medical practitioner. Even when the Clinic facilities are available, it is left entirely to the option of the parents to either call in their own doctor or accept treatment at the Clinic.

The School Clinic has been open on 276 days during the year, and a total of 10,655 attendances have been made by the children, the average attendance per day being 38.6.

1,270 defects have been treated during the year, this including 294 defects or diseases of the skin, 69 minor eye defects, 68 minor ear defects, 433 minor injuries, bruises, etc., 188 defects of the nose and throat, 69 orthopædic or postural defects, and 149 errors of refraction.

Following up records show 12 defects or diseases of the skin, 2 eye defects, 4 ear defects, 106 minor injuries, 18 defects of the nose and throat, and 15 cases of defective vision have received treatment, apart from the Authority's scheme. Included in these figures are 18 children who have received operative treatment for tonsils and adenoids, etc.

This gives a total of 1,427 defects which have received treatment during the year.

At the beginning of the year there were 135 defects under treatment, and amongst the children who have attended the



Clinic during the year 1,766 defects were found requiring either treatment or observation. 194 of these defects were still under treatment at the end of the year.

An analysis of the total defects on account of which children have attended the Clinic is shown in the following table. This number includes all defects, whether they have merely required observation, required treatment which could be given at the Clinic, or were such as to necessitate the private practitioner being consulted.

A calculation has been made, showing the rate per 1,000 school children of the various defects or diseases, and for comparison the corresponding rates for the two previous years are given.

DEFECT OR DISEASE	Number found or suspected in 1935	Rate per 1000 school children		
		1935	1934	1933
Impetigo .....	95	23.75	30.54	32.63
Eczema .....	12	3.00	2.64	3.47
Seborrhoea .....	29	7.25	8.41	5.38
Alopecia .....	8	2.00	1.20	0.46
Septic Sores .....	79	19.75	23.80	26.39
Ringworm .....	21	5.25	7.69	7.87
Other Skin Diseases .....	109	27.25	22.36	18.05
Verminous and Sore Heads .....	5	1.25	0.96	1.15
Vision .....	298	74.50	62.77	49.07
Blepharitis .....	21	5.25	6.73	8.33
Conjunctivitis .....	25	6.25	7.69	7.17
Other Eye Diseases .....	18	4.50	8.41	7.87
Otorrhoea .....	34	8.50	12.02	11.80
Wax in Ears .....	16	4.00	6.25	4.16
Other minor Ear Defects .....	18	4.50	6.97	2.31
Tonsillitis .....	80	20.00	26.69	14.12
Tonsils and Adenoids .....	8	2.00	0.72	2.08
Pharyngitis .....	2	0.50	1.44	0.98
Other Diseases of the Nose and Throat .....	91	22.75	26.93	13.88
Enlarged Thyroid .....	4	1.00	—	0.46
Enlarged Glands (Non-Tuberculous)...	56	14.00	17.55	12.50
Heart Disease .....	4	1.00	2.40	1.15
Diseases of Lungs and Chest .....	70	17.50	22.60	14.58
Pre Tuberculosis (Pulmonary) .....	—	—	0.48	—
Non-Pulmonary Tuberculosis .....	—	—	—	—
Chorea .....	37	9.25	12.74	5.55
Nervous Debility .....	27	6.75	6.25	3.93
Swollen Joints and Swellings .....	25	6.25	3.12	11.55
Rickets .....	—	—	—	—
Crippling Defects .....	14	3.50	3.36	1.85
Debility .....	209	52.25	49.78	41.66
Infectious Diseases .....	103	25.75	32.22	25.00
Minor Accidents .....	194	48.50	38.24	35.41
Other Defects or Diseases .....	189	47.25	56.51	34.49

It will be noticed that Defective Vision accounts for the largest individual number of defects, but in only 133 cases were tests necessary for errors of refraction. In the other cases Defective Vision was suspected, but it was found that no treatment was necessary, and spectacles were not required.

The particular defects found in the 133 Cases were:—

Hypermetropia .....	21
Hypermetropic Astigmatism .....	24
Hypermetropia and Hypermetropic Astigmatism .....	31
Myopia .....	39
Myopic Astigmatism .....	3
Myopia and Myopic Astigmatism .....	9
Other defects .....	6

In 127 cases spectacles were obtained under the Authority's scheme.

#### ORTHOPÆDIC CLINIC.

The following details of the work at the Orthopædic Clinic refer only to Nelson children of school age.

No. of times Clinic has been open during the year .....	36
Total number of school children on the books at 31st December, 1934 .....	64
Total number of cases admitted during the year .....	27
Included in these are—New admissions .....	12
Transferred from Infant Welfare Centre .....	15
No. of cases discharged during the year .....	13
„ „ on the books at 31st December, 1935 .....	78
„ children on books who did not attend during 1935 ...	29
„ „ in attendance during 1935 .....	60
„ attendances made by these children .....	310
Average attendance per session .....	8.6
„ „ „ child for the year .....	5.1
No. of school children at Biddulph on 31st December, 1934	3
„ „ „ sent to Biddulph during the year ...	5
„ „ „ discharged from Biddulph during the year .....	7
„ „ „ at Biddulph, 31st December, 1935 ...	1
(One child was transferred from the Bethesda Home, Manchester, to the Masonic Home, London).	

An analysis of the attendances made per child during the year is:—

Number of children making 1 attendance .....	15
„ „ „ 2 attendances .....	9
„ „ „ 3 „ .....	12
„ „ „ 4 „ .....	3
„ „ „ 6 „ .....	2
„ „ „ 7 „ .....	6
„ „ „ 8 „ .....	1
„ „ „ 9 „ .....	2
„ „ „ 10 „ .....	2
„ „ „ 11 „ .....	3
„ „ „ 12 „ .....	1
„ „ „ 16 „ .....	1
„ „ „ 20 „ .....	1
„ „ „ 21 „ .....	1
„ „ „ 27 „ .....	1

The following table shows, in a general degree, the location of the defects found in the children who have been on the register during the year.

Defect or deformity of the spine .....	13
Defect or deformity of the arms or hands .....	5
Defect or deformity of the hip .....	5
Defect or deformity of the leg or foot .....	60
General defect or deformity which may be due to rickets, infantile paralysis, etc. ....	7
	—
Total .....	90

#### EMPLOYMENT OF CHILDREN AND YOUNG PERSONS.

70 boys and 1 girl have been examined during the year following their application for part-time employment certificates. In all the cases the certificates were granted. The nature of the employment to be followed was: 32 in the delivery of milk, 35 the delivery of newspapers, and 4 other miscellaneous employment.

#### EXCEPTIONAL CHILDREN.

The list of exceptional school children is amended from year to year, and the following summary shows the number of these children on the books at the end of the year under review.



Blind .....	Nil
Partially Sighted .....	3
Deaf .....	Nil
Partially Deaf .....	1
Mentally Defectives .....	13
Epileptics, severe .....	2
Pulmonary Tuberculosis .....	2
Non-Pulmonary Tuberculosis .....	20
Delicate Children .....	128
Cripples, i.e., those with a severe degree of crippling such as to interfere with a normal mode of life .....	17
Heart Disease, severe .....	1
Multiple Defects, not included above .....	2

The allocation of these children in regard to school is :—

Number attending certified Blind School .....	3
„ „ „ Deaf School .....	1
„ „ „ Mentally Defective School .....	11
„ „ Open Air School .....	117
„ in Sanatorium or Hospital .....	3
„ attending Public Elementary School .....	49
„ who do not attend school .....	5

The following table gives an approximate idea of the number of exceptional children of school age in the area, calculated per 1,000 school children.

Blind or Partially Sighted .....	0.75
Deaf or Partially Deaf .....	0.25
Mentally Defective .....	3.25
Epileptics, severe .....	0.50
Pulmonary Tuberculosis .....	0.50
Non-Pulmonary Tuberculosis .....	5.00
Delicate Children .....	32.00
Cripples .....	4.25
Heart Disease .....	0.25
Multiple Defects .....	0.50

No notification of a school child has been made to the local mental deficiency authority during the year.



## OPEN AIR SCHOOL.

The following tables give detailed particulars regarding the admissions and discharges from the Open Air School, attendances thereat, and the work carried out by the School Nurse.

76 children have been admitted during the year, and there have been 70 children discharged, the number in attendance at the end of the year being 117. The average length of time attended at the school by the children who have been discharged during the year is 19.0 months.

	Boys.	Girls.	Total.
No. of children in attendance 31st December, 1934	56	55	111
„ „ admitted during the year .....	37	39	76
„ „ discharged during the year .....	34	36	70
„ „ in attendance 31st December, 1935	59	58	117

	Highest.	Lowest.	Average.
Percentage of attendance 1st Quarter .....	93.0	81.0	86.5
„ „ 2nd „ .....	94.6	81.9	89.7
„ „ 3rd „ .....	98.7	89.5	93.8
„ „ 4th „ .....	91.7	85.3	88.9

Particulars regarding children admitted during the year.

No. of Children admitted ... 76																	
Defect or disease necessitating admission	BOYS. Ages of Children.							GIRLS. Ages of Children.							Total		
	6	7	8	9	10	11	12	13	6	7	8	9	10	11		12	13
	Anæmia .....	1	3	2	...	...	...	...	...	..	2	4	1	3		...	2
Debility .....	...	4	2	1	4	...	...	...	1	2	...	2	4	1	3	...	24
Bronchitis .....	...	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	5
Chorea .....	...	...	...	1	1	...	...	...	...	1	1	2	1	1	...	...	8
Nervous Debility .....	...	...	2	...	...	...	...	...	...	...	...	...	1	...	...	...	3
Enlarged Glands .....	...	1	...	...	1	...	...	...	...	1	...	...	...	...	...	...	3
Rheumatism .....	...	...	...	1	...	...	...	...	...	1	1	...	...	...	...	...	2
Bronchiectasis .....	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Tonsils and Adenoids .....	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Malnutrition .....	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	2
Adenitis .....	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Bronchial Asthma .....	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	3
Enlarged Tonsils .....	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	2
Total .....	2	15	8	4	7	...	...	1	1	8	7	6	9	2	5	1	76

## Particulars regarding children discharged during the year.

GIRLS ..... 36

Age of child on discharge.	Length of stay at school in months.		Defect or disease on admittance.	Gain in weight in pounds.	Gain in height in inches.			
14	...	5	...	Anæmia	...	2½	...	½
13	...	8	...	Debility	...	16½	...	7
9	...	11	...	Debility	...	5	...	2¼
12	...	11	...	Enlarged Glands	...	13½	...	3
10	...	12	...	Rheumatism	...	9¼	...	2¾
10	...	12	...	Chorea	...	7½	...	1½
11	...	13	...	Debility	...	4	...	1¼
13	...	14	...	Chorea	...	27	...	4½
9	...	14	...	Anæmia	...	3½	...	1½
8	...	14	...	Anæmia	...	8	...	2½
13	...	14	...	Chorea	...	11½	...	1¼
13	...	16	...	Poor exp. of Lungs	...	13¾	...	3¼
8	...	16	...	Anæmia	...	4½	...	2¾
12	...	17	...	Anæmia	...	8	...	2
13	...	17	...	Debility	...	13½	...	3¾
13	...	17	...	Chorea	...	12½	...	2¾
13	...	17	...	Anæmia	...	10½	...	4
10	...	17	...	Anæmia	...	11¾	...	3½
10	...	17	...	Anæmia	...	9½	...	4
8	...	17	...	Anæmia	...	12½	...	4
10	...	17	...	Adenitis	...	5½	...	2½
8	...	18	...	Anæmia	...	7¾	...	3
7	...	18	...	Debility	...	7½	...	4¼
12	...	19	...	Rheumatism	...	21	...	4¾
10	...	23	...	Anæmia	...	11	...	3¾
9	...	23	...	Anæmia	...	11¾	...	5
12	...	24	...	Nervous Debility	...	15¾	...	5¾
10	...	25	...	Anæmia	...	15¾	...	4½
11	...	26	...	Anæmia	...	16½	...	4¾
10	...	26	...	Anæmia	...	11	...	4½
10	...	29	...	Anæmia	...	16¼	...	5
9	...	30	...	Debility	...	14	...	5½
11	...	30	...	Pleurisy	...	25½	...	7¼
12	...	34	...	T.B. Spine (arrested)	...	5	...	3
8	..	35	...	Spinal Caries (arrested)	...	6¾	...	5½
12	..	48	...	Debility	...	19¼	...	6½

Boys ..... 34

Age of child on discharge.	Length of stay at school in months.			Defect or disease on admittance.	Gain in weight in pounds.		Gain in height in inches.		
7	...	4	...	Bronchitis	...	—	...	—	Only attended few weeks— left town
13	...	5	...	Subnormal Nutrition	...	5 $\frac{3}{4}$	...	1 $\frac{3}{4}$	
9	...	8	...	Debility	...	4 $\frac{1}{2}$	...	3	Discharged for bad attendance
8	...	8	...	Bronchitis	...	3	...	—	
8	...	10	...	Anæmia	...	4	...	2	
11	...	11	...	Debility	...	6	...	3	
12	...	11	...	Anæmia	...	4	...	2	Discharged for bad attendance
7	...	11	...	Debility	...	4 $\frac{1}{4}$	...	2 $\frac{1}{2}$	
8	...	11	...	Anæmia & Deafness	...	6 $\frac{1}{4}$	...	2 $\frac{1}{4}$	
10	...	13	...	Bronchiectasis	...	3 $\frac{1}{2}$	...	1	
9	...	14	...	Anæmia & Chorea	...	4 $\frac{1}{2}$	...	2 $\frac{1}{4}$	
12	...	15	...	Anæmia	...	4	...	3	
11	...	15	...	Debility	...	9 $\frac{1}{4}$	...	2 $\frac{3}{4}$	
12	...	17	...	Asthma	...	2 $\frac{1}{2}$	...	2 $\frac{1}{4}$	
9	...	17	...	Anæmia	...	4 $\frac{1}{2}$	...	2 $\frac{1}{4}$	
9	...	17	...	Pre-T.B.	...	8	...	3	
8	...	17	...	Anæmia	...	8 $\frac{3}{4}$	...	3	
10	...	17	...	Bronchitis	...	11 $\frac{1}{2}$	...	3 $\frac{1}{2}$	
8	...	17	...	Anæmia	...	9 $\frac{3}{4}$	...	3	
8	...	18	...	Anæmia	...	8	...	2 $\frac{3}{4}$	
13	...	18	...	Debility	...	7 $\frac{1}{2}$	...	2 $\frac{3}{4}$	
10	...	20	...	Anæmia	...	11	...	4	
9	...	21	...	Anæmia	...	7 $\frac{1}{2}$	...	3	Discharged for bad attendance
10	...	22	...	Poor Exp. of Lungs	...	10	...	3 $\frac{1}{2}$	
11	...	23	...	Bronchiectasis	...	17	...	5 $\frac{3}{4}$	
11	...	23	...	Anæmia	...	12	...	4 $\frac{1}{2}$	
10	...	23	...	Anæmia	...	10 $\frac{3}{4}$	...	4 $\frac{1}{2}$	
10	...	23	...	Anæmia	...	10 $\frac{1}{4}$	...	3 $\frac{3}{4}$	
10	...	23	...	Anæmia	...	10 $\frac{3}{4}$	...	4 $\frac{1}{4}$	
9	...	23	...	Bronchiectasis	...	11	...	4 $\frac{3}{4}$	
9	...	24	...	Enlarged Glands	...	9	...	3 $\frac{1}{2}$	
9	...	30	...	Chorea	...	12 $\frac{3}{4}$	...	5 $\frac{3}{4}$	
11	...	39	...	T.B. Glands	...	16 $\frac{1}{2}$	...	5 $\frac{3}{4}$	
12	...	58	...	Anæmia	...	21 $\frac{1}{4}$	...	10 $\frac{1}{2}$	

Number of medical re-inspections during the year at the  
Open Air School ..... 235

Number of children inspected ..... 184



## TREATMENTS AT OPEN AIR SCHOOL.

Number of children receiving Clinic treatment .....	57
Number of defects treated .....	81
Number of treatments carried out .....	2268

The treatments are carried out by the School Nurse, who is in attendance at the school either morning or afternoon on each day the school is open. In addition to giving necessary treatments, the Nurse undertakes supervision of the weekly bathing.

Details of the treatments given are:—

Defect or Disease.	Number of Defects.	Number of treatments carried out
Impetigo .....	2	12
Other skin diseases .....	8	51
Blepharitis .....	3	43
Other diseases of the eye .....	4	20
Enlarged Tonsils .....	12	376
Inflamed Tonsils .....	8	221
Other diseases of the nose and throat ...	26	980
Otorrhoea .....	1	9
Defective hearing .....	2	155
Wax in ears .....	1	5
Enlarged Glands .....	4	110
Other diseases or defects .....	10	286

## CONVALESCENT HOME.

The courtesy of the Managers and the Secretary of the Thursby Convalescent Home, at Lytham-St.-Annes, enables Nelson school children in need of convalescent treatment to be sent to this Home, and year by year many children have reaped the advantage of such facilities. During 1935, 52 girls and 29 boys were sent, and of these 3 boys and 5 girls were sent a second time during the year. Prior to admission each child has to have two medical examinations, the first for suitability, and the subsequent one to ensure freedom from illness of an infective nature.

## INFECTIOUS DISEASES.

In the notifiable diseases, 41 cases of Scarlet Fever and 14 cases of Diphtheria in which the patient was of school age have been reported. In both these diseases all other school children residing in the same house as the patient are excluded

from school until the patient has recovered and the premises have been disinfected.

No localised epidemic of Scarlet Fever occurred, the cases occurring fairly uniformly throughout the year, and school distribution showed no outstanding infection.

Up to the last month of the year only sporadic cases of Diphtheria had occurred, but in December 7 cases were reported. At one school I made a special inspection of the children in two classes, to ascertain if there was a possible source of infection. As a result, one child was found to be attending school who was recovering from an attack of Diphtheria, and who was still in an infective condition. This child was excluded from school and disinfection carried out, the other children in the class being kept under observation; but no further case developed up to the closing of the schools for the Christmas holidays.

Two deaths of school children from Diphtheria occurred during the year.

Without assuming epidemic proportions, Whooping Cough and Chickenpox were prevalent about the middle of the year, and the attendance at one or two schools was considerably reduced. Amongst the cases of Chickenpox were some of a very severe nature. Sporadic cases of German Measles occurred during the year. Towards the end of the year Measles became very prevalent, and the attendance at several schools was affected, but no school closure was adopted. The number of cases increased considerably, and the disease was still prevalent in epidemic form at the end of the year. Influenza of the more severe type was not prevalent during the year, but there were periods in which common colds accompanied by severe pharyngitis were noticeably present.

There have occurred 8 deaths of children of school age during the year, this representing a mortality rate of 2.0 per 1,000 school children. This is less than the mortality rate for the previous year, but slightly higher than the average rate for the previous 5 years.

Details of the deaths during 1935 are:—

Age.	Cause of Death.
5 .....	Appendicitis
5 .....	Tubercular Meningitis
5 .....	Diphtheria

5	.....	Abscess, Otitis Media
6	.....	Diphtheria
8	.....	Septicaemia, Tonsillitis
9	.....	Accidental
11	.....	Diphtheria

		Number of deaths.	Mortality Rate per 1,000 school children
1934	.....	13	3.12
1933	.....	6	1.38
1932	.....	8	1.88
1931	.....	6	1.45
1930	.....	7	1.70

#### PROVISION OF MILK TO SCHOOL CHILDREN.

All the schools in the Borough are now taking the daily milk supply, the outstanding school commencing the supply on the 26th August. The average number of children on the school rolls is 3,880, and of these the average number of children participating in the milk scheme is 3,200, or approximately 82%.

During the year 507,485 bottles of milk have been supplied, this being an increase of 107,716 bottles on the number supplied in 1934.

No change in the scheme for the provision of milk has taken place during the year. The milk is designated Grade A, Tuberculin Tested, is bottled in Nelson, the bottles being filled and distributed to the schools daily, the quantity per bottle being  $\frac{1}{3}$  pint. Each scholar is supplied with a straw which can be inserted through the cap on the bottle and through which the milk can be consumed. Empty bottles are collected daily and thoroughly sterilized before being again used.

A charge of  $\frac{1}{2}$ d. per bottle is made, but in necessitous cases the milk is supplied to the scholars without charge. Actually during the year 12.5% of the milk has been supplied free.

No comment on the advantages of the scheme is necessary, the recommendation by the Board of Education for its general adoption, and the completeness of its application so far as Nelson is concerned, is a sufficient testimonial to indicate the success of the undertaking. Milk time at the schools is now a recognised part of the school curriculum, and the application of the scheme should now be permanent. I am indebted to the staff of the Education Department for the following table giving figures relative to the milk supplied during the year.



School	Average No. of children on rolls	Date of commencement of scheme for year	No. in receipt of milk at commencement	Weekly average No. of children taking milk	Total No. of bottles of milk supplied
Bradley Senior .....	208	1st January	157	151	25622
Bradley Infants .....	211	do.	149	177	28601
Bradshaw Street Junior " A " .....	238	do.	203	206	34702
Bradshaw Street Junior " B " .....	288	do.	249	260	41674
Bradshaw Street Infants .....	257	do.	224	218	34643
Lomeshaye Junior .....	164	do.	134	146	24315
Walverden Senior .....	322	do.	236	254	35672
Walverden Infants .....	209	do.	197	184	28835
Whitefield Senior .....	202	do.	155	159	24894
Whitefield Infants .....	207	do.	209	195	34220
Great Marsden Junior .....	253	do.	204	222	35248
Great Marsden Infants .....	127	do.	98	111	16323
Leeds Road Junior .....	195	do.	147	148	27716
Leeds Road Infants .....	63	do.	56	58	10765
Little Marsden .....	147	do.	101	108	16222
Holy Saviour Mixed .....	146	do.	120	115	17433
Holy Saviour Infants .....	66	do.	47	49	8422
St. George's .....	121	do.	108	104	18124
Edge End Senior .....	352	do.	233	261	39048
St. Joseph's Mixed .....	84	26th August	71	74	5006
Grand Total .....	3880	---	3098	3200	507485

Percentage of bottles of milk supplied free ... 12.5.



## PROVISION OF MEALS.

The provision of free meals in necessitous cases has been continuous throughout the year. Both dinners and teas are provided, but the latter are confined to the more necessitous cases. The meals are provided on the premises of the caterers which are central and easy of access. Supervision is maintained over the arrangements throughout the year.

144 children were in receipt of free meals at the commencement of the year, and there were 114 children receiving meals at the close of the year. During the year, 228 children have received meals, a total of 35,988 dinners and 5,117 teas being provided.

A comparison with previous years is shown in the following table.

Year.	No. receiving meals at			Total No.		Number		Number	
	Commencement	End of		of children		of		of	
	of year.	year.		receiving		dinners.		teas.	
				meals.					
1935 .....	144	...	114	...	228	...	35988	...	5117
1934 .....	197	...	144	...	303	...	40770	...	11229
1933 .....	194	...	197	...	291	...	47648	...	18050
1932 .....	140	...	194	...	426	...	52785	...	20396
1931 .....	74	...	140	...	238	...	30044	...	5023
1930 .....	45	...	74	...	149	...	20903	...	2285

## SWIMMING BATHS.

During the year there were 18,289 attendances of elementary school children at the Public Baths in Bradley Road. This figure shows an increase of 765 on the figure for 1934.

Attendance at the Baths for instruction in swimming is not compulsory, though it forms part of the school curriculum for the older scholars during the summer months, and every encouragement is given for the scholars to attend.

## CONCLUSION.

To carry out the work of the School Medical Services I have to rely on the co-operation of the Head teachers and their assistants at the various schools, and throughout the year this co-operation has been willingly forthcoming. Mutual assistance is also necessary from the Director of Education and the members of his staff, including the School Attendance Officers, and every assistance has been given by them during the year.

The members of the School Medical Service staff have carried out their duties assiduously and efficiently throughout the year, and this has contributed to a successful year's work.

The increase of employment during the year is indicated by the reduction in the numbers of free meals supplied during the year, and I think on the whole the stamina and general condition of the children is somewhat improved. Personal cleanliness in some instances still leaves room for an improvement, but this will not be accomplished until the parents recognise not only the responsibilities they have toward their own children, but also their responsibilities to parents who make every endeavour to keep their children in a cleanly state. The Medical Inspections have shown no outstanding features, and the results will bear favourable comparison not only with the figures for previous years, but also with the results of Medical Inspection of school children of other towns, in which the social and general conditions prevailing can be compared to Nelson.

I am, Ladies and Gentlemen,

Your obedient Servant,

**R. G. MARKHAM, M.B., D.P.H.,**

School Medical Officer.

BOROUGH OF NELSON.

# Medical Inspection Returns.

TABLE I.

MEDICAL INSPECTIONS OF CHILDREN ATTENDING  
PUBLIC ELEMENTARY SCHOOLS.

**A.—ROUTINE MEDICAL INSPECTIONS.**

Number of Inspections in the prescribed Groups :

Entrants ... ..	446
Second Age Group ... ..	496
Third Age Group ... ..	477

Total ... .. 1419

Number of other Routine Inspections ... .. Nil

Grand Total ... .. 1419

**B.—OTHER INSPECTIONS.**

Number of Special Inspections ... .. 1173

Number of Re-Inspections ... .. 1714

Total ... .. 2887

**C.—CHILDREN FOUND TO REQUIRE TREATMENT.**

Number of Individual Children found at Routine Medical  
Inspection to require Treatment (excluding Uncleanliness  
and Dental Diseases).

Prescribed Groups :

Entrants ... ..	139
Second Age Group ... ..	171
Third Age Group ... ..	95

Total (Prescribed Groups) ... .. 405

Other Routine Inspections ... .. Nil

Grand Total ... .. 405

TABLE II.

A.—Return of Defects found by Medical Inspection in the  
Year ended 31st December, 1935.

DEFECT OR DISEASE.		Routine Inspections		Special Inspections	
		No of Defects		No. of Defects	
		Requiring Treatment	Requiring to be kept under observation but <i>not</i> requiring Treatment	Requiring Treatment	Requiring to be kept under observation but <i>not</i> requiring Treatment
Skin	(1) Ringworm —Scalp .....	...	...	2	...
	(2) „ Body .....	...	...	6	...
	(3) Scabies .....	1	...	15	...
	(4) Impetigo .....	2	...	26	...
	(5) Other Diseases (Non-Tuberculous)	10	...	98	2
Total (Heads 1 to 5)		13	...	147	2
Eye	(6) Blepharitis .....	2	...	1	...
	(7) Conjunctivitis .....	3	1	9	...
	(8) Keratitis .....	...	...	...	...
	(9) Corneal Opacities .....	2	1	1	...
	(10) Other Conditions (excluding Defective Vision and Squint)	4	2	8	...
	Total (Heads 6 to 10)	11	4	19	...
	(11) Defective Vision (excluding Squint .....	123	...	1	...
	(12) Squint .....	1	1	...	3
Ear	(13) Defective Hearing.....	3	2	6	1
	(14) Otitis Media .....	6	...	9	...
	(15) Other Ear Diseases .....	6	...	3	...
Nose and Throat	(16) Chronic Tonsillitis only .....	51	1	14	...
	(17) Adenoids only .....	3	1	8	1
	(18) Chronic Tonsillitis and Adenoids	9	...	1	...
	(19) Other Conditions .....	71	9	98	14
(20) Enlarged Cervical Glands (Non-Tuberculous)		28	7	43	3
(21) Defective Speech .....		...	7	...	1
Heart and Circulation	Heart Disease :				
	(22) Organic .....	...	3	...	1
	(23) Functional ... ..	...	5	...	4
	(24) Anæmia .....	13	7	60	7
Lungs	(25) Bronchitis .....	14	9	14	2
	(26) Other Non-Tuberculous Diseases .....	8	10	41	10



TABLE II.—Continued.

**A.**—Return of Defects found by Medical Inspection in the Year ended 31st December, 1935.

DEFECT OR DISEASE		Routine Inspections		Special Inspections	
		No. of Defects		No. of Defects	
		Requiring Treatment	Requiring to be kept under observation but <i>not</i> requiring Treatment	Requiring Treatment	Requiring to be kept under observation but <i>not</i> requiring Treatment
Tuberculosis	Pulmonary :				
	(27) Definite .....	...	...	...	...
	(28) Suspected .....	...	...	...	...
	Non-Pulmonary :				
	(29) Glands .....	...	1	...	...
	(30) Bones and Joints .....	...	1	...	...
	(31) Skin .....	...	...	...	...
	(32) Other Forms .....	...	...	...	1
	Total (Heads 29 to 32)	...	2	...	1
Nervous System	(33) Epilepsy .....	...	...	...	2
	(34) Chorea .....	2	3	21	4
	(35) Other Conditions .....	8	11	25	6
Deformities	(36) Rickets .....	3	...	...	...
	(37) Spinal Curvature .....	11	1	2	...
	(38) Other Forms .....	10	18	10	3
	(39) Other Defects and Diseases (excluding Uncleanliness and Dental Diseases) .....	24	19	178	35
	Total .....	418	120	700	100

**B.**—Classification of the Nutrition of Children Inspected during the Year in the Routine Age Groups.

AGE GROUPS	Number of Children Inspected	A (Excellent)		B (Normal)		C (Slightly subnormal)		D (Bad)	
		No.	%	No.	%	No.	%	No.	%
Entrants .....	446	...	...	438	98·21	8	1·79	...	...
Second Age Group .....	496	6	1·21	477	96·17	13	2·62	...	...
Third Age Group .....	477	6	1·26	455	95·39	16	3·35	...	...
Other Routine Inspect's	...	...	...	...	...	...	...	...	...
Total.....	1419	12	0·85	1370	96·55	37	2·60	...	...

TABLE III.

Return of all Exceptional Children in the Area.

## BLIND CHILDREN.

At Certified Schools for the Blind	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
—	—	—	—	Nil.

## PARTIALLY SIGHTED CHILDREN.

At Certified Schools for the Blind	At Certified Schools for the Partially Sighted	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
3	—	—	—	—	3

## DEAF CHILDREN.

At Certified Schools for the Deaf	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
—	—	—	—	Nil.

## PARTIALLY DEAF CHILDREN.

At Certified Schools for the Deaf	At Certified Schools for the Partially Deaf	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
1	—	—	—	—	1

## MENTALLY DEFECTIVE CHILDREN.

## Feeble-Minded Children.

At Certified Schools for Mentally Defective Children	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
11	2	—	—	13

## EPILEPTIC CHILDREN.

Children suffering from Severe Epilepsy.

At Certified Special Schools	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
—	—	—	2	2

## PHYSICALLY DEFECTIVE CHILDREN.

**A.**—Tuberculous Children.

I.—Children suffering from Pulmonary Tuberculosis.

At Certified Special Schools	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
—	2	—	—	2

II.—Children suffering from Non-Pulmonary Tuberculosis.

At Certified Special Schools Open Air School	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
2	16	2	—	20

**B.**—Delicate Children.

At Certified Special Schools Open Air School	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
114	14	—	—	128

**C.—Crippled Children.**

At Certified Special Schools Open Air School	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
1	14	1	1	17

**D.—Children with Heart Disease.**

At Certified Special Schools	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
—	—	—	1	1

**CHILDREN SUFFERING FROM MULTIPLE DEFECTS.**

Combination of Defect.	At Certified Special Schools	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
Mentally Defective and Epileptic	—	1	—	—	1
Mentally Defective and Cripple	—	—	—	1	1



TABLE IV.

Year ended 31st December, 1935.

## TREATMENT TABLES.

GROUP I.—Minor Ailments (excluding Uncleanliness, for which see Table VI.)

DISEASE OR DEFECT.	Number of Defects treated, or under treatment during the year		
	Under the Authority's Scheme	Otherwise	Total
Skin—			
Ringworm-Scalp—			
(i) X-Ray Treatment. If none, indicate by dash ... ..	...	...	...
(ii) Other Treatment ... ..	4	...	4
Ringworm-Body ... ..	17	...	17
Scabies ... ..	23	...	23
Impetigo ... ..	97	...	97
Other skin disease ... ..	153	12	165
Minor Eye Defects—(External and other, but excluding cases falling in Group II.) ... ..	69	2	71
Minor Ear Defects ... ..	68	4	72
Miscellaneous (e.g., minor injuries, bruises, sores, chilblains, etc.) ...	433	106	539
Total ... ..	864	124	988

GROUP II.—Defective Vision and Squint (excluding Minor Eye Defects treated as Minor Ailments—Group I.)

	No. of Defects dealt with		
	Under the Authority's Scheme	Other-wise	Total
Errors of Refraction (including Squint) (Operations for squint should be recorded separately in the body of the School Medical Officer's Report)	149	14	163
Other defect or disease of the eyes (excluding those recorded in Group I.) ... ..	...	1	1
Total ... ..	149	15	164
No. of Children for whom spectacles were			
(a) Prescribed ... ..	133	10	143
(b) Obtained ... ..	131	6	137

TABLE IV.—*Continued.*

## GROUP III.—Treatment of Defects of Nose and Throat.

NUMBER OF DEFECTS.												Received other forms of Treatment	Total number Treated
Received Operative Treatment.													
Under the Authority's Scheme in Clinic or Hospital				By Private Practitioner or Hospital apart from the Authority's Scheme				Total					
(i)	(ii)	(iii)	(iv)	(i)	(ii)	(iii)	(iv)	(i)	(ii)	(iii)	(iv)		
...	...	...	...	12	...	5	1	12	...	5	1	188	206

(i) Tonsils only. (ii) Adenoids only. (iii) Tonsils and adenoids.  
 (iv) Other defects of the nose and throat.

## GROUP IV.—Orthopædic and Postural Defects.

	Under the Authority's Scheme			Otherwise			Total number treated
	Residential treatment with education.	Residential treatment without education.	Non-residential treatment at an orthopaedic clinic.	Residential treatment with education.	Residential treatment without education.	Non-residential treatment at an orthopaedic clinic.	
Number of children treated	8	—	60	—	1	—	69

## GROUP V.—Dental Inspection and Treatment.

(1) Number of children inspected by the Dentist.		No.
(a) Routine age-groups.	Aged 5 .....	—
	6 .....	384
	7 .....	383
	8 .....	452
	9 .....	481
	10 .....	384
	11 .....	433
	12 .....	431
	13 .....	430
	14 .....	—
Total .....		3378
(b) Specials .....		Nil
(c) Total (Routine and Specials) .....		3378
(2) Number found to require treatment .....		2447
(3) Number actually treated .....		1428
(4) Attendances made by children for treatment .....		1428
(5) Half-days devoted to :—		
Inspection .....		65
Treatment .....		110
		175
(6) Fillings : Permanent Teeth .....		241
Temporary Teeth .....		3
		244
(7) Extractions : Permanent Teeth .....		295
Temporary Teeth .....		2249
		2544
(8) Administrations of general anaesthetics for extractions .....		Nil
(9) Other operations : Permanent Teeth .....		408
Temporary Teeth .....		549
		957

## GROUP VI.—Uncleanliness and Verminous Condition.

(i) Average number of visits per school made during the year by the School Nurses .....	4
(ii) Total number of examinations of children in the Schools by the School Nurses .....	13957
(iii) Number of individual children found unclean .....	288
(iv) Number of children cleansed under arrangements made by the Local Education Authority .....	Nil
(v) Number of cases in which legal proceedings were taken :—	
(a) Under the Education Act, 1921 .....	Nil
(b) Under School Attendance Byelaws .....	Nil

TABLE V.

Defects found in course of Medical Inspection (Routine and Specials) followed up by the School Nurses.

DEFECT OR DISEASE.		Total number found and referred for treat- ment or observa- tion	Number found to be cured	Number found to be im- proved	Number found to be un- changed or not seen
MALNUTRITION .....	Slightly Subnormal .....	37	9	26	2
	Bad .....	...	...	...	...
SKIN .....	Ringworm { Head .....	2	1	1	...
	{ Body .....	6	5	1	...
	Scabies .....	16	14	2	...
	Impetigo .....	28	24	3	1
	Other Diseases (Non-Tuberculous) .....	110	81	19	10
EYE .....	Blepharitis .....	3	3	...	...
	Conjunctivitis .....	13	9	3	1
	Keratitis .....	...	...	...	..
	Corneal Opacities .....	4	1	2	1
	Other Conditions .....	14	8	3	3
	Defective Vision .....	124	80	9	35
EAR .....	Squint .....	5	...	3	2
	Defective Hearing .....	12	6	5	1
	Otitis Media .....	15	10	3	2
	Other Ear Diseases .....	9	7	2	...
NOSE AND THROAT .....	Chronic Tonsillitis only .....	66	16	39	11
	Adenoids only .....	13	5	4	4
	Chronic Tonsillitis and Adenoids .....	10	3	4	3
	Other Conditions .....	192	105	62	25
Enlarged Cervical Glands (non-Tubercular) .....		81	25	30	26
Defective Speech .....		8	2	3	3



TABLE V.—Continued.

Defects found in course of Medical Inspection (Routine and  
Specials) followed up by the School Nurses.

DEFECT OR DISEASE.		Total number found and referred for treat- ment or observa- tion	Number found to be cured	Number found to be im- proved	Number found to be un- changed or not seen
HEART AND CIRCULATION .....	Heart { Organic .....	4	...	2	2
	Disease { Functional .....	9	3	4	2
	Anæmia .....	87	11	52	24
LUNGS .....	Bronchitis .....	39	4	21	14
	Other Non-Tubercular Diseases .....	69	29	30	10
TUBERCULOSIS .....	Pulmonary {	Definite ....	...	...	...
		Suspected .....	...	...	...
	Non- Pulmonary {	Glands ....	1	1	...
		Bones .....	...	...	...
		and Joints .....	1	1	...
		Skin .....	...	...	...
NERVOUS SYSTEM ...	Other Forms .....		1	1	...
	Epilepsy .....		2	...	2
	Chorea .....		30	7	10
DEFORMITIES .....	Other Conditions .....		50	9	15
	Rickets .....		3	...	2
	Spinal Curvature .....		14	1	3
Other Defects and Diseases .....		41	8	26	7
Other Defects and Diseases .....		256	179	58	19
TOTALS.....		1375	665	470	240

TABLE VI.

Defects found in course of Medical Inspection, 1934, and re-examined by School Medical Officer in 1935.

DEFECT OR DISEASE.		Number found in 1934		Result of Inspection in 1935		
		Referred for Treatment	Referred for Observation	Number cured	Number improved	Number unchanged absent or left School
MALNUTRITION .....	.....	6	5	3	5	3
UNCLEANLINESS .....	Head ..... } Body ..... }	...	...	...	...	...
SKIN .....	Ringworm { Head .....	5	...	5	...	...
	{ Body ..	1	...	1	...	...
	Scabies .....	12	...	12	...	...
	Impetigo .....	20	...	20	...	...
	Other Diseases (Non-Tuberculous) .....	94	1	82	9	4
EYE .....	Blepharitis .....	3	...	2	1	...
	Conjunctivitis .....	19	...	18	1	...
	Keratitis .....	...	...	...	...	...
	Corneal Ulcer .....	...	...	...	...	...
	Corneal Opacities .....	...	...	...	...	...
	Defective Vision .....	103	4	92	14	1
	Squint .....	5	5	2	3	5
	Other Conditions .....	11	3	9	3	2
EAR .....	Defective Hearing .....	18	4	17	3	2
	Otitis Media .....	21	1	18	3	1
	Other Ear Diseases .....	16	1	13	2	2
NOSE AND THROAT .....	Chronic Tonsillitis only	33	...	21	8	4
	Adenoids only .....	19	3	14	5	3
	Chronic Tonsillitis and Adenoids .....	10	...	8	1	1
	Other Conditions .....	215	17	179	32	21
Enlarged Cervical Glands (non-Tubercular) .....		86	11	57	22	18
Defective Speech .....		2	4	1	4	1

TABLE VI.—Continued.

Defects found in course of Medical Inspection, 1934, and re-examined by School Medical Officer in 1935.

DEFECT OR DISEASE.		Number found in 1934		Result of Inspection in 1935		
		Referred for Treatment	Referred for Observation	Number cured	Number improved	Number unchanged absent or left School
HEART AND CIRCULATION .....	Heart { Organic .....	...	4	...	2	2
	Disease { Functional .....	...	16	5	8	3
	Anæmia .....	77	9	32	42	12
LUNGS .....	Bronchitis .....	41	14	24	25	6
	Other Non-Tubercular Diseases .....	41	17	29	14	15
TUBERCULOSIS .....	Pulmonary {	Definite .....	...	...	...	...
		Suspected .....	...	...	...	...
	Non-Pulmonary {	Glands .....	...	...	...	...
		Spine .....	...	...	...	...
		Hip .....	...	...	...	...
		Other Bones and Joints .....	...	...	...	...
		Skin .....	1	...	1	...
		Other forms .....	1	...	1	...
NERVOUS SYSTEM ...	Epilepsy .....	...	2	...	1	1
	Chorea .....	38	2	21	16	3
	Other Conditions .....	38	20	32	18	8
DEFORMITIES .....	Rickets .....	...	1	...	1	...
	Spinal Curvature .....	6	5	2	9	...
	Other Forms .....	23	23	6	24	16
Other Defects and Diseases .....		203	41	191	37	16
TOTALS.....		1166	215	916	317	148

TABLE VII.

Monthly Summary of Work at School Clinic.

MONTH.	No. of defects under treatment at beginning of month	No. of defects admitted during month	No. of defects discharged during month	No. of defects under treatment at end of month	No. of visits by children to Clinic	No. of homes visited by Nurse	No. of visits to homes	No. of pairs of Spectacles supplied or ordered	No. of Examinations by Nurse at School
January	135	143	48	230	732	25	37	6	1972
February	230	193	122	301	1207	18	30	20	1266
March	301	218	246	273	1490	84	88	25	206
April	273	163	104	332	984	120	142	3	338
May	332	219	155	396	1258	51	70	30	2092
June	396	129	309	216	1068	259	275	11	1059
July	216	48	35	229	182	12	14	—	159
August	229	133	138	224	830	44	57	2	3417
September	224	133	169	188	858	67	82	11	262
October	188	154	117	225	735	72	75	26	1579
November	225	146	101	270	643	21	23	13	1518
December	270	87	163	194	668	213	222	—	89
TOTALS	3019	1766	1707	3078	10655	986	1115	147	13957

Average Attendance per day ... 38.6.

TABLE VIII.

Anthropometric Table showing Average Height and Weight of children examined at various ages.

BOYS			GIRLS	
AGE	HEIGHT in inches	WEIGHT in pounds	HEIGHT in inches	WEIGHT in pounds
3 Years...	38.41	34.50	37.83	33.84
4 "	41.35	40.25	40.88	38.00
5 "	42.96	42.82	42.91	41.74
6 "	45.40	46.90	45.21	45.57
7 "	47.53	52.09	47.40	50.54
8 "	49.25	57.02	48.94	54.94
9 "	51.19	63.00	51.33	61.55
10 "	53.20	68.37	52.46	66.77
11 "	53.44	70.05	55.31	74.91
12 "	56.01	76.47	57.67	84.70
13 "	58.15	85.22	59.32	92.57
14 "	59.76	90.77	61.27	96.37



TABLE IX.

Condition of Children examined by Nurses at School.

Number of surprise visits paid to Schools : 85.

Results of Examinations :

		No. of Exam'ations	Number Examined	Clean	Few Nits	Many Nits	Pedi- culi
BOYS	Infant Departments	2167	610	589	...	14	7
	Junior            ,,	2108	649	643	...	...	6
	Senior           ,,	1916	628	625	..	1	2
	Mixed           ,,	600	162	159	1	...	2
GIRLS	Infant Departments	2212	560	470	7	71	12
	Junior           ,,	2344	588	501	12	58	17
	Senior           ,,	2059	574	523	6	37	8
	Mixed           ,,	551	151	124	...	23	4
	Totals	13957	3922	3634	26	204	58

TABLE X.

Monthly incidence of cases of Scarlet Fever and Diphtheria  
from the various Schools during 1935.

School	Scarlet Fever												Diphtheria													
	January	February	March	April	May	June	July	August	September	October	November	December	Total	January	February	March	April	May	June	July	August	September	October	November	December	Total
Bradley Senior Boys .....	1	...	...	...	...	...	...	...	1	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	1	1
Edge End Senior Boys ..	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	1
Walverden Senior Girls	1	...	1	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	1	1
Whitefield Senior Girls	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
Bradshaw St. Jr. Mix. A	...	...	1	...	...	...	...	...	...	1	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...
Bradshaw St. Jr. Mix. B	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Great Marsden Jr. Mix.	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Leeds Rd. Jr. Mixed ...	...	1	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	3	3
Little Marsden Jr. Mix.	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Lomeshaye Jr. Mixed ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Holy Sav. R.C. Mixed	1	1	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...
St. George's R.C. Mix.	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
St. Joseph's R.C. Mix.	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Open Air .....	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Bradley Infants .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	
Bradshaw St. Infants ...	1	...	...	...	...	...	...	...	...	1	...	2	4	...	...	...	...	...	...	...	...	...	...	...	...	...
Great Marsden Infants	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	2
Holy Sav. Infants .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Leeds Road Infants .....	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Little Marsden Infants ..	...	1	...	1	1	...	...	...	...	...	1	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...
St. George's Infants .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
St. Joseph's Infants .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Walverden Infants .....	1	...	1	...	1	1	...	...	...	...	...	...	4	...	2	...	...	1	1	...	...	...	...	...	...	4
Whitefield Infants .....	...	1	1	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...
Secondary School .....	...	...	...	1	...	...	...	...	1	2	1	2	7	...	...	...	...	...	...	...	...	...	...	...	...	...
School out of Borough ..	...	...	...	1	1	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...
Private School .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	6	5	5	5	5	1	...	1	2	4	3	4	41	1	2	...	...	1	1	...	1	1	...	...	7	14

TABLE XI.

Return of Medical Inspections for purposes of Employment  
of Children and Young Persons, 1935.

	Number Examined	Number of Certificates Granted	Nature of Employment		
			Delivery of Milk	Delivery of News- papers	Other Employ- ment
Boys .....	70	70	31	35	4
Girls .....	1	1	1	...	...
Total...	71	71	32	35	4



Borough of Nelson.

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TWENTY-SECOND

# Annual Report

of the

# School Dental Clinic

For the Year 1935.

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THOMAS JACKSON, L.D.S.,  
Dental Surgeon.

## SCHOOL CLINIC,

11 CARR ROAD, NELSON.

DECEMBER, 1935.

**To the Chairman and Members of the Nelson Education Authority.**

I once again have the honour, pleasure and duty to present my Annual Report as School Dentist to your Authority.

Continuing to work as in previous years, each child from six years of age until leaving school has each year the opportunity of being dentally inspected and treated, the parents of all children being informed of such inspection and treatment. There is no improvement in the attendance of parents on such occasions, which is to be deplored, as I still feel sure great good could be done by a few words of advice concerning the dental condition of their children. I feel very concerned for the future dental condition of those children who from six years of age and upwards persistently refuse the advantages your Clinic offers them, or have made the excuse that they are "going to their own dentist," and never go, the result being appalling in many cases, from every standpoint.

Still, on the other hand, those who have attended year by year or when sent for, possess a dental condition which is pleasing and satisfactory. These two facts are shown by the number of children of the ages 11, 12 and 13 years who are actually sent for, and the good percentage of "nils" of such ages.

The difference in the number of Inspections and Treatments as compared with 1934 is accounted for by the fact that I have had to spend more half-days in tracing the transfers from school to school, and that there are 206 fewer inspected, therefore fewer treated of the 206 fewer inspections. There are 36 still on the rolls of attendance, so that there are 170 who have left the schools and unaccounted for.

Although the number of children inspected is down by 206, the percentage of "nils" continues to grow a little year by year, and the percentage of children attending the Clinic is a little higher.





In the early part of the year the Dental Board of the United Kingdom sent one of their Lady Lecturers to address the senior scholars on the why and wherefore they should keep their teeth clean, and the wisdom of having their teeth seen to at periodical times. Such lectures or addresses must do good. Pamphlets on the care of teeth have also been distributed during the year.

I do wish that in every school within your Authority there could be carried out what is done in the Open Air School, where every child is taught the use of a tooth brush and supervised each morning, for habits formed in early life are sure to be carried out in after years. For little cost per child, tooth brushes could be supplied, and great good could be done in that way. As it is, in the great majority of cases the use of a tooth brush is neither known nor understood,—certainly not valued.

I have spent 65 half-days in visiting the schools for the purpose of inspections, and 110 half-days in treatment, also 3 half-days at the commencement of the year in clerical work, and 7 half-days at the end of the year, in addition to which I spend 3 hours each week in clerical work after the inspections.

I receive every assistance from the Head Masters, Head Mistresses, and Teachers at the inspections, and also the help of the School Clinic Nurse during the hours of treatment, all of which is valuable assistance and appreciated.

I am,

Your obedient Servant,

THOS. JACKSON, L.D.S.,

School Dentist.

TABLE I.  
Shewing Results of Inspections.

Age in Years and Sex	Number Inspected	Temporary			Permanent			Nils.	Urgents
		Sound	Savable	Un- savable	Sound	Savable	Un- savable		
6—Girls ...	189	2404	220	279	923	8	...	62	5
Boys ...	195	2619	207	296	778	1	...	70	4
7—Girls ...	198	1799	185	355	1710	68	2	49	29
Boys ...	185	1835	164	374	1396	45	1	38	17
8—Girls ...	223	1376	69	468	2536	93	13	47	38
Boys ...	229	1611	68	432	2364	78	10	61	40
9—Girls ...	233	790	21	430	3375	171	25	58	69
Boys ...	248	1206	25	498	3017	128	21	71	45
10—Girls ...	201	313	3	366	3357	162	59	43	53
Boys ...	183	462	9	325	2844	134	16	50	50
11—Girls ...	230	109	...	248	5740	129	119	65	60
Boys ...	203	150	5	251	4331	162	84	47	57
12—Girls ...	199	13	...	53	4349	175	139	69	51
Boys ...	232	69	...	149	5284	163	164	75	73
13—Girls ...	208	2	...	16	4780	166	215	62	60
Boys ...	222	28	...	59	5151	206	179	64	93
Total ...	3378	14786	976	4599	51935	1889	1047	931	744

TABLE II.  
Shewing Percentages of Inspections.

Year	Sex	Number of Children Inspected	Sound Dentition	Require Urgent Treatment	Require Treatment
6	Girls	189	32·80	2·64	64·56
	Boys	195	40·23	2·30	57·47
7	Girls	198	24·74	14·85	60·41
	Boys	185	20·54	9·18	70·28
8	Girls	223	21·07	17·04	61·89
	Boys	229	26·63	17·46	55·91
9	Girls	233	26·09	30·94	42·97
	Boys	248	28·63	18·14	53·23
10	Girls	201	21·39	26·36	52·25
	Boys	183	27·32	27·32	45·36
11	Girls	230	28·26	26·08	45·66
	Boys	203	23·15	28·07	48·78
12	Girls	199	34·67	25·62	39·71
	Boys	232	32·32	31·46	36·22
13	Girls	208	30·00	28·84	41·16
	Boys	222	28·82	42·00	24·15
Divide by 16		3378	446·66	348·30	800·04
Compared with 1934		211·12	28·00	21·76	50·00
	Increase or Decrease	...	1·37	...	...
		12·88	...	00·06	1·52

TABLE III.

Shewing Percentages of Attendances at Clinic.

Years	Sex	Number Inspected	Treated at Clinic	Percentage
6	Girls	189	123	65·08
	Boys	195	137	70·25
7	Girls	198	126	63·66
	Boys	185	114	61·61
8	Girls	223	99	44·39
	Boys	229	94	41·04
9	Girls	233	88	38·00
	Boys	248	110	44·35
10	Girls	201	73	36·31
	Boys	183	82	44·80
11	Girls	230	84	36·52
	Boys	203	87	42·85
12	Girls	199	55	27·63
	Boys	232	67	28·87
13	Girls	208	41	19·71
	Boys	222	48	21·62
Divide by 16		3378	1428	686·69
Average		211·12	90·00	42·91
Compared with 1934				
Increase .....		...	...	...
Decrease .....		12·88	4·43	00·84

TABLE IV.

Shewing Total Treatments.

Years	Extractions		Fillings		Dressings		Extract'ns under local An'esth'tic
	Tem'ry	Perm'nt	Tem'ry	Permn't	Tem'ry	Permn't	
6	421	...	3	2	294	1	19
7	454	7	...	17	159	38	35
8	419	9	...	32	59	49	28
9	415	23	...	36	28	71	48
10	279	33	...	43	9	62	47
11	183	68	...	44	...	106	74
12	63	82	...	38	...	61	81
13	15	73	...	29	...	20	68
Total	2249	295	3	241	549	408	400

TABLE V.

Shewing Total Attending Clinic.

Age	Girls	Boys	Total
6 years...	123	137	260
7 „ ...	126	114	240
8 „ ...	99	94	193
9 „ ...	88	110	198
10 „ ...	73	82	155
11 „ ...	84	87	171
12 „ ...	55	67	122
13 „ ...	41	48	89
Total ...	689	739	1428

TABLE VI.

Shewing Total Average on Number Inspected.

	1935.	1934.	Increase.	Decrease.
Total Average Attendance at Clinic	42.27	43.75	—	1.48
Sound Dentition .....	27.56	26.90	0.66	—
Taken to Own Dentist .....	25.93	27.12	—	1.19
Refused Treatment, Indifferent, Ill, Left after Inspection, or untraced through removal to other schools	4.24	2.23	2.01	—
	100.00	100.00		

TABLE VII.

Shewing Comparisons in Number of Children Inspected.

	1935.	1934.
Number of Children Inspected .....	3378	3584
Number of Nils .....	931	967
	2447	2617
Number of Children attending Clinic .....	1428	1511
Percentage of Children attending Clinic who were actually sent for .....	58.35	57.51
Increase percentage of Children attending Clinic .....	00.84	



TABLE VIII.  
Shewing Comparisons of Children Inspected.

	1935.	1934.	Increase.	Decrease.
6 Years .....	384	364	20	—
7 Years .....	383	435	—	52
8 Years .....	452	489	—	37
9 Years .....	481	366	115	—
10 Years .....	384	479	—	95
11 Years .....	433	488	—	55
12 Years .....	431	428	3	—
13 Years .....	430	535	—	105
	<hr/>	<hr/>	<hr/>	<hr/>
	3378	3584	138	344

Nett Decrease Inspected, 206.



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